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BETTER FRUIT

August 1907

SCENE IN THE FAMOUS WENATCHEE VALLEY APPLE DISTRICT

PUBLISHED BY

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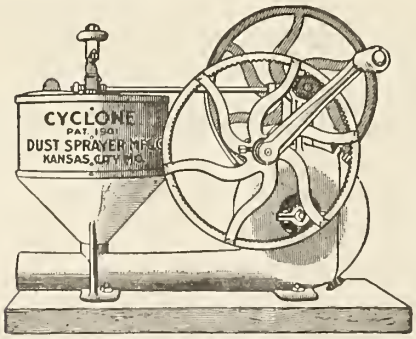

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9:12		BRIDAL VEIL	5:02
9:41		BONNEVILLE	4:32
9:53		CASCADE LOCKS	4:20
10:06		WYETH	4:06
10:33		HOOD RIVER	3:40
10:45		MOSIER	3:28
11:20		THE DALLES	3:00
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The house of F. NEWHALL & SON of Chicago, has for sixty years been trying to educate the people of the East to demand high quality fruit and pay high quality prices, and the movement toward extreme high quality packing at Hood River and a few other Western points is a decided help in this direction. We may not buy a package in your territory this year (we bought but little there last year, though very heavily in other sections) but we are going to be on the ground just the same, and if prices seem in line with other fruit equally good at other points, we are going to pay just a little more for the name, Hood River. If your prices look a little above our views on a buying proposition, possibly we may interest some of your people as their representatives in Chicago. At any rate, we shall try to become better acquainted with the Hood River people and its fruit interests.

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BETTER FRUIT

A MONTHLY ILLUSTRATED MAGAZINE PUBLISHED IN THE INTEREST OF UP-TO-DATE AND PROGRESSIVE FRUIT GROWING AND MARKETING

FRUIT RAISING IN THE UPPER COLUMBIA VALLEY

BY DAVID R. McGINNIS

THE superb valley of the Columbia River, now being vivified by irrigation, is destined to be practically a city throughout its entire length and breadth wherever the life-giving powers of irrigation can be turned upon the land. Already the fame of the fertility of this valley and the excellence of its fruits of many varieties is abroad in the land. In fact, its horticultural potentialities are beyond even approximation. The entire irrigated country is rapidly becoming a splendid horticultural garden and here quick wealth is coming to the fruit raiser. It is, therefore, true, but most strange, that all these level valleys—not only along the Columbia, but its tributaries extending north and south over 500 miles—produce all the fruits of the temperate zone of greatest excellence. And, more interesting yet, everywhere throughout this great extent of valley and bench land, there is a great uniformity in respect to intense color, large size and high quality of every kind of fruit produced. Some of the causes that are operating to make land throughout these great valleys already worth from $500 to $2000 per acre, are as follows:

The Cascade range is a perfect barrier from the moist atmosphere from the ocean. Fruits do best in a perfectly dry air. Low altitude, which means high temperature during the growing season —the greater portion of these splendid fruit sections which bring the astounding profits being under 1200 feet elevation above sea level.

Next, abundance of plant food in the soil, the wash of the ages from higher elevations, which in fertility has never been diminished by winter floods and rains.

Warm Days and Cool Nights

Next, an abundance of sunlight which, taken in connection with the potash and iron in the soil, gives a high color and smooth, brilliant appearance to the fruit raised there.

Next, cool nights, which make the fruit firm and are conducive to the growth of the perfect apple.

Last, an abundance of water, the application of which to the soil unlocks those valuable salts which enter into the composition of both tree and fruit, giving luxuriant growth to one and perfection of bloom to the other. Raising these splendid fruits is, in effect, selling water at so much a ton. The water is taken out of the rivers and streams for irrigation and applied to the soil and the roots of the plant which, in turn, absorb it and produce the phenomenal fruits, which are nothing more nor less than highly flavored water.

The Wenatchee Republic says that Logan berries, which produce six tons per acre, contain four and two-fifths tons of water, and that in this form the water is usually worth $65 per ton, or $299 per acre. Selling water this way requires a fertile soil well tilled; good plants properly set to make picking economical; and, besides, humous and nitrogenous elements naturally contained in the soil, and all the water the plants can use while the crop of berries or fruit is maturing and ripening. Selling water in the form of a Spitzenberg, Jonathan, Winesap, King or Newtown Pippin requires only a few years of careful orcharding, modern style of pruning, judicious spraying and water well conserved in the soil rather than an over supply of surface irrigation, and the result is obtained where the produce of a single acre of fruit has ofttimes made a net profit of from $150 to $1200 per acre.

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Benefits of Irrigation

The peach, cherry and pear are nearly all water, simply flavored deliciously, and this water sells for enormous prices in the shape of the moisture in the fruit. The State of Washington itself sees but very little of the splendid apples now being raised throughout the irrigated districts of the state. The wealthy millionaires of Europe and the East want, and will have, these apples, no matter what they cost, and they are the ones who get them. New markets are constantly being discovered for the Washington apple, and, last fall, a fruit raiser from the Columbia River irrigated district shipped boxes of apples to Australia, accompanying the shipment himself. This fruit found a ready market in the cities of Sydney and Melbourne, as it was received just at the time when Australian apples and other fruits were out of the market. The red winter apple, such as is grown by irrigation, is a wonder-fruit. It is already responsible for net profits as high as $1200 per acre, and an ordinarily good orchard of winter apples, properly attended to, can be reliably expected to turn off an annual profit, year by year, of $300 to $600 and $700 per acre. Of course, there are many orchards of poor varieties, neglected and not properly attended to, where the profit is very ordinary.

In one irrigated district on the Columbia River the fruit farmers shipped 1000 carloads of fruit to market in 1906. This fruit was taken from about 2000 acres of orchard, with a cost of boxing and hauling to shipping points taken out, these orchardists had a balance of more than $500,000 from only 2000 acres of land.

$2.00 to $2.50 Per Box for Apples

In 1905 $2.00 to $2.50 per box for apples was paid by an Eastern firm throughout the principal irrigated district. The fruit growers all made so much money from the fruit that many of them did not know what to do with it; trips were made to California by some of them to spend the winter; others went East; still others put their profits into handsome homes and furniture, providing themselves with modern conveniences for comfortable living. This great record of two years ago has been fully equaled by the fruit crops of 1905 and 1906. It is a remarkable state of affairs when land will produce a big interest on a valuation of from $5000 to $10,000 per acre. Of course, no fruit land has reached that valuation yet in the State of Washington, the highest price that has been paid up to date being $2000 per acre, but as fruit profits range from $500 to over $1000 per acre, settlement and development will simply force the prices of the best fruit land up to a point where it will pay an interest of 8 per cent or 10 per cent upon the investment.

Profits From Fruit

Mr. E. L. Stewart, a fruit grower in the same valley, was a Northern Pacific freight agent and with rare determination he invested his salary in building up a twenty-one-acre ranch, of which six acres were planted in apples. From this six-acre apple orchard Mr. Stewart sold, in 1906, 7361 bushels of apples for $6228.90. His total expenses were $1931.15. His net profit was $4313.75, being an average profit of $719 per acre. L. A. Bingham, who lives near Wen-

atchee, has two peach trees which netted $60 this year, and he does not think this out of the ordinary.

Conrad Rose has two acres of five-year-old apple trees from which he gathered 670 boxes of apples. These netted him $1 per box, $335 per acre, and yet these did not pay him nearly as well as some other portions of his place.

James Compton, who has about three acres of orchard on his place, estimates the yield of 500 boxes of apples, 200 boxes of peaches, 200 boxes of prunes and 75 boxes of pears.

J. T. Tedford has less than five acres of cantaloupes which netted him over $1400 for the tract.

H. E. Motteler has six acres of apples this year which will yield about 5000 boxes. The apples from this five acres should yield Mr. Motteler from $3750 to $5000.

Big Income From Five to Ten Acres

One of the greatest advantages of an irrigated country arises from the fact that the profits are so very large per acre that large farms are not required. A five-acre fruit ranch in any of these typical Columbia River irrigated valleys, set to the right kind of commercial fruits, will bring profits every year ranging from $2000 to $3500, and sometimes a great deal more. Therefore, an irrigated country settles up like a village. It is, to all intents and purposes, a city, with its close neighbors, numerous churches and schools, fine roads, and dozens of automobiles owned by these fortunate fruit raisers. Under proper management a five or ten-acre bearing orchard will make as much profit as a whole 640 acres will bring in Minnesota, Dakota or other Eastern States. The result of this dense settlement of irrigated lands is that a cultivated society is built up and it enjoys all of the benefits of city life. This dense settlement takes away all of the unpleasant features of living on the farm, and it makes conditions peculiarly favorable for the construction of electric roads for rapid transit. In one of the older settled tributary fruit raising valleys of the Columbia River, where a hustling, thriving young city of 12,000 has been built up on the profits of irrigation, home capital has organized an electric railway system which will spread out like the spokes of a wheel through the fruit orchards for miles around. In another colossal tract of over 32,000 acres which is just now being brought under irrigation, a whole system of electric freight and passenger railways is already being organized to reach from its central town on the Columbia River for thirty or forty miles through what will quickly become a bower of irrigated fruit orchards, which it is estimated will bring over eight million dollars a year when in bearing to the orchard owners. In fact, electric railways and steam roads are all eager to reach these verdant, enormously profitable irrigated valleys.

THE HANDSOME BUILDING OF THE COLUMBIA VALLEY BANK

The Columbia Valley Bank, at Wenatchee, known as the "old strong bank," is one of the institutions that has helped to develop the Upper Columbia River fruit-growing district. The bank history of Wenatchee extends over a period of but six years, but has made a most startling showing. In September, 1901, there was but one banking institution there, with a capital stock of $30,000 and deposits of $78,009.47. In September, 1906, the number of banks had increased to three, with capital stock of $200,000, and deposits of $686,377.47

Almost the whole world knows of Hood River as a place that produces the best fruits, and all of Hood River Valley should know, and could know, that there is one place in Hood River, under the firm name of R. B. Bragg & Co., that the people can depend on getting the most reliable dry goods, clothing, shoes and groceries at the most reasonable prices that are possible; try it.

PAONIA—ITS HUMBLE START AND DEVELOPMENT

BY ARTHUR L. CRAIG

THE pioneers of the North Fork Valley, Colorado, are not aged. Men now in the prime of life relate its history from the beginning of settlement by white people without relying on tradition or referring to textbooks.

In the autumn of 1881 it was that the campfires of prospective settlers drew closer together on Black Mesa until one large party was formed. Before camp was broken to continue the journey northward, runners were sent out to ascertain the progress made in removing the Indians from the reservation which the government had purchased. Far in the distance could be seen the smoke of their farewell fires—for the Utes were loath to depart and used every means available to render the country undesirable and unfit for occupancy by the palefaces. To the west the slowly moving band of redskins, accompanied by the troops in charge of deporting them, were discernible. When at length they were lost to view below the junction of the North Fork and the Gunnison Rivers, the camp on Black Mesa was abandoned and all hands turned to the task of transporting the supplies to this land of promise.

Thrilling, indeed, is the recital by any member of that party of the remainder of an eventful journey: how streams were forded by the packtrain; how the wagons were let down over precipices or drawn through thickets and up steep hills with the aid of saddlehorns in the lead; how at some almost impassable places it was found necessary to unload and even take the wagons to pieces, carry them through, and reload. For when these brave men made their way to the new land they preceded the railroad, and Marshall Pass and Black Canyon were only dreamed of by a few daring ones as within the range of railway possibility. Coming into possession of the land, these Abrahams and Lots parted, some going to the right, others to the left. Winter was fast approaching, so that beyond locating their claims and constructing rough houses little could be accomplished toward improving the land, but the spring of 1882 saw cultivation begun in earnest.

The neighbors and newcomers looked on dubiously as from the depths of a trunk Samuel Wade drew a few small fruit trees. But confidently he planted them and they thrived; some of the original trees still stand in the orchard of Mr. E. J. Mathews.

From that time the family orchard was an adjunct of every newly established homestead. The trees bore so abundantly that soon wagonloads were taken to the mining camps near by or exchanged for supplies in the distant trading towns. Commercial orchard planting was begun on a large scale when it was found that the sale of fruit was profitable. To be sure, years of experimentation with different classes of fruit in great variety were necessary to determine those that yielded the largest net returns. All fruits and vegetables were found to attain a high degree of perfection, hence the effort has been principally to respect market demands for long keeping and attractive appearance.

PAONIA APPLE ORCHARD IN FRUIT

Here let an erroneous impression be corrected: While there are very few varieties or classes of fruit that will not produce abundantly, it is not claimed that they all equal similar products of other sections. New York is famous for Greenings and Baldwins; California finds the Bellefleuer and Newtown Pippin most successful; Oregon prides herself on Newtowns and Spitzenbergs. It would be folly for even the most enthusiastic North Forker to claim that his Greenings and Baldwins and Bellefleuers and Spitz and Newtowns are superior to those grown in their respective localities, or to say that he can improve on California's Solway or Michigan's Crawford. But, like the sections mentioned, varieties have been found which are superior to their kind in other parts of the country, and on these the North Fork bases its reputation. If rash statements are made concerning the success of diversified fruit raising in the Paonia district, it is due to the fact that a greater number of varieties can be advantageously cultivated. Crawford peaches for canning; French and Italian prunes for evaporating; Elberta peaches, and Jonathan, Grimes Golden, Rome Beauty, Winesap, Gano and White Winter Pearmain apples for shipping green, with a host less extensively cultivated, have made the North Fork famous.

Pears have yielded as high as $750 an acre; cherries, $600; apples, peaches, prunes, plums, apricots and berries have done equally well. But during the last few years planting has been confined almost entirely to apples and peaches. Not that there has been any deterioration in value of orchards set to the other sorts, but because specializing in apples and peaches has proven advantageous.

One serious obstacle to successful orcharding was encountered, however, which threatened for a time to dwarf the industry. All fruit sent to market must be hauled in wagons thirty-five miles to the nearest railroad station, which was far more hazardous than the railway journey. Increased acreage and output, together with the development of immense coal deposits in the vicinity, brought the resources of the valley into prominence, and in the late autumn of 1902 a branch line of the Denver & Rio Grande railroad was constructed to the town of Paonia.

SCENE IN PAONIA ORCHARD, SHOWING WELL DEVELOPED TREES

For many years after it became known that fruit could be raised in commercial quantities here the output was contracted for by various dealers and commission houses in the near East. But with the advent of the railroad assuring ample facilities for disposing of any quantity of the valley's products, new methods were adopted in marketing.

In February of 1902 a number of the leading growers formed the North Fork Fruit Growers' Association. Beginning with a

membership of fifteen and $5,000 capital, its operations have been extended until today it serves over a hundred growers through commodious packing houses at Paonia, Coburn, Roberts, Bowie, and numerous sub-stations in districts remote from the city.

The briefest mention of this parent North Fork marketing agency is not complete without reference to two men who have labored untiringly to make it a success: G. H. Merchant, who retired from the presidency last February after five years of faithful service—a man who has been identified with every advancement of horticulture on the entire western slope, as well as in that part where center his material interests; W. H. Garvin, the present manager, whose business ability and superior salesmanship have done much to perfect the organization and increase the prosperity of its members.

In the year following the inception of the association idea, the Nelson Brothers Fruit Company removed their head office from Delta to Paonia. Many local orchardists and a few reliable Eastern dealers are interested in this concern, and by thus uniting the efforts of producer and consumer in a common cause an excellent method of marketing results. Like the association, their fields of operation broaden with each succeeding year, and their distributing territory embraces the entire United States. A few growers ship independently of any marketing agency, chief among whom are E. J. Mathews and W. S. Coburn. To Mr. Mathews belongs the distinction of having shipped the first car of fruit out of the valley. Mr. Coburn has been president of the State Board of Horticulture for a number of years, and is much sought as an authority on horticultural subjects. Although their operations are limited to the crops of their own orchards, buyers have learned that their brands are symbols of high quality and honest pack.

With the problems of disposing of green fruits in enormous quantities solved, attention has been directed toward utilizing to greater advantage the material remaining after packing for green shipment. The evaporating plant known as the North Fork Valley Packing Company, and the Paonia Packing Company's canning factory have built up prosperous businesses, rendering substantial benefit to their members by using this medium for realizing on fruit unsuited for green shipment.

Packing Plant for Surplus Fruits

The most recent addition to marketing facilities is the organization of the Paonia Fruit Exchange Company, an association of a number of important orchards. The promoters of this enterprise have acquired the evaporator and are now having plans drawn for the erection of a large warehouse and green fruit packing rooms on lots adjoining the site of the plant.

The reputation for excellence of North Fork fruit is founded on its high color, superior flavor, and remarkable keeping quality. An abundance of sunshine while the fruit is maturing intensifies its blush, and, together with natural adaptation of soil, imparts strength of flavor. Whether the altitude of 6000 feet above sea level is responsible for the firmness of the ripe fruit is a debatable point, but the fact remains that Elberta peaches grown here will hold up longer and stand more punishment in transit than any other peach raised in the United States. Apples grown in the Paonia country are held in cold storage safely until midsummer, and many instances are on record where they have been placed in common storage and removed in perfect condition when the next crop was being harvested.

Progress in perfecting the fruit has been attended by corresponding increase in values. Shippers have received higher average prices than those of any other local district. A car of Elberta peaches shipped from Paonia to Boston last sea-

By courtesy Wenatchee Republic A GRAPE VINE IN THE UPPER COLUMBIA RIVER COUNTRY

son sold at auction in that market for $2.03 a box, netting f. o. b. cars Paonia $1.54. The average on all grades and varieties of apples handled by one concern here last season was $1.02½ f. o. b.

These figures speak equally well for marketing agency and producer. Year by year growers are appreciating more fully the fact that it costs just as much to dispose of third grade fruit as it does to handle extra fancy, and not an orchardist is content to use the proportions of one year's crop as his ambition for the next. Perhaps the most notable example of progress in this direction is the record of Mr. A. L. Roberts, whose article on "Spraying for the Codling Moth in Colorado" appeared in the May number of Better Fruit.

12,000 Boxes—12 Wormy Apples

Intelligent application of advanced methods brought its reward in a single season in twelve thousand boxes, among which were less than a dozen wormy apples, and a very small percentage, indeed, of the twelve thousand were packed second grade on account of size or defects in color and shape.

So the industry has been confronted by grave problems here, as in other fruit-growing sections. The ravages of insect pests have been a serious detriment to successful horticulture, but with the assistance of experts an organized effort is being exerted to rid the valley of these destroyers. The codling moth and green and woolly aphis are the chief offenders, there being no scale and very few borers, with blight and leaf curl rarely found.

Comparative freedom from disease and pest, coupled with willingness to spare no effort to eradicate those that do exist have been potential factors in advancing the standard of quality. The time will never be when difficulties will not present themselves, and he who engages in fruit-growing in whatever locality may not anticipate idleness and ease; but co-operation does much to lighten the burden, and the growers of Paonia are learning to co-operate.

Fruit Industry Makes Thriving City

The growth of the little city is no less wonderful than that of its industries. A small hamlet in 1902, it boasts today a population of nearly fifteen hundred. Pure water is piped from a spring in the granite rocks at the foot of Mount Lamborn to the city, and the water system supplies ranch homes on the south side of the river for a distance of five miles. Residents of the north side have recently completed a system serving a territory of over five square miles. The city owns and operates an electric lighting plant, which is taxed to its utmost to illuminate the streets, business houses and residences of the city and several ranches adjoining its limits.

An independent co-operative telephone system covers Delta County. Within three miles of the town of Paonia are extensive deposits of coal, from which the surrounding territory is supplied at the extremely low cost of $1.50 a ton. The lumber industry is not as extensive in the immediate vicinity of Paonia as in other parts of the state, but there is an abundance of standing timber, and a number of sawmills operate within a few miles of the valley. A superior grade of white limestone and pink sandstone for building is obtained from quarries in the hills above town. Brick of good quality are manufactured within the city limits, and a frequent sight about the valley is a small kiln within fifty feet of the structure built from it.

Predictions of what we may expect to see in Paonia and the North Fork Valley ten years hence are most flattering. One thing is certain, future accomplishments will exceed past realizations.

By courtesy Wenatchee Republic A PEACH ORCHARD ON A RANCH NEAR WENATCHEE

The orchard is five acres in extent, with the trees planted about one hundred and thirty to the acre. It is on what is known as the Yukon Ranch, its owner having made a "stake" in Alaska, and bought property at Wenatchee. Its yield last year was 3000 boxes of peaches.

However, there are tasks to perform before the most conservative estimates can be fulfilled. In common with all horticultural sections of this country, the crying need is better railroad service. As shipments increase it will be necessary to rely less upon the floating population during the busy season. To secure a larger residence of capable workers industries must be located here which will provide them with the opportunity of making a good living the year around. When one speculates what these enterprises may be he is lost in contemplation of the possibilities, for with such remarkable natural resources the field of opportunity is almost unlimited. The coal mines are capable of being developed extensively; building stone may be shipped with profit; cement mills could have inexhaustible supplies of material; at no distant day factories will spring up to supply the necessities of life for a large territory. Another year will doubtless witness the installation of a by-product plant, for every season shows an increase in the quantity of fruit which cannot be shipped green, canned or evaporated, and the manufacture of syrups, jams and vinegar will be profitable.

The North Fork Valley promised much to those men of '81; today the promise has been more than fulfilled. Today is bright with confidence in a future that will far surpass present dreams.

By courtesy Wenatchee Republic A PLATE OF WENATCHEE STRAWBERRIES
A convincing argument of the fertility of the soil of the Upper Columbia River country

REASONS YOUNG TREES DO NOT BEAR WELL

BY C. GRANDPIERRE, GREENVILLE, MISSOURI

MANY people mean it too well with young fruit trees. The amateur often fertilizes too much and prunes too little. An oversupply of nitrogen by excessive application of barnyard manure will favor rank growth to the detriment of the formation of fruit buds. This is the main cause why so many young trees six or more years old do not bear. Whilst the too early bearing of fruit weakens the tree and makes it less resistant to drought, diseases and insects and will make it shorter lived, a limited amount of fruit should be produced already the fourth year on peach trees and the fifth on apples.

If blooming has not begun at these ages, the formation of buds may be favored by some summer pruning, notably in shortening the longer twigs, and also by "girdling." The latter operation consists in slitting the bark lengthwise with a sharp knife, or, better, in removing strips of bark about one inch wide, pointed at top and bottom and extending almost from branches to root. About one-third of the circumference of the bark should thus be removed, taking very much care not to injure the wood. On large trees the operation should be performed on the main limbs.

The sores will heal very quickly, check the flow of sap, retard the growth of new wood and favor the formation of bloom buds. The best time for girdling is not later than the middle of July in the temperate zone.

Oregon Life

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A. L. MILLS, President L. SAMUEL, General Manager CLARENCE S SAMUEL, Assistant Manager

HIGH ALTITUDES AND THEIR RELATION TO FRUIT

BY L. D. WIERT

WHEN considering the fact that what is now proposed to be created into Deschutes County, Oregon (a district fifty by ninety miles), has increased its population from 322 to 1,925 and its assessed valuation from $83,000 to $4,000,000, mostly during the last three years, it is easy to understand the primitive condition of the fruit industry on the Deschutes at the present time, and the rapid development that can be expected in the future.

On account of the lava ledges and the juniper trees, the land in its original condition is not attractive to the average observer, but when cleared the large proportion of tillable land becomes at once apparent.

The soil, being principally composed of decomposed basalt, pumice and volcanic ash, contains only a small per cent of humus, but is rich in potash, lime, magnesia, ferric oxide and alumina. While the surface is generally of a loose, sandy nature, the submaterial is mostly composed of broken lava, the volcanic formation being from fifty to one hundred feet deep.

The elevation varies from 5,000 feet to 2,700 feet above the sea level from south to north, and the climate accordingly. On the higher elevations killing frosts are apt to occur at any time, while on the lower elevations from Squaw Creek to the Matoles River the season exempt from frost is from four to five months. Throughout the entire region the summer nights are cool and pleasant.

Owing to the limited acreage that could be brought under irrigation by the early settler, very little in fruit culture could be accomplished by him. Credit, however, is due to the early settlers for sufficiently demonstrating the suitability of both soil and climate for fruit purposes, and the few small orchards planted by them are so located as to prove the entire district lying under the irrigation systems exceptionally well adapted for fruit. Not only do these orchards bear an abundant crop almost annually, but the quality and flavor of the fruit are of the best.

Beginning at Bend, elevation 3640 feet, we find a patch of currants and gooseberries successfully cultivated by William Staats for more than fifteen years, and a small apple orchard noted for apples free from all blemishes or disease on the Collins place. Twenty miles northeast, at Powell Buttes, are the orchards of Messrs. Casey and Harvey, producing good crops of apples, peaches, plums, blackberries and other small fruits. Eighteen miles north from Bend, at Letherow's bridge, apples, peaches, plums and prunes have been successfully raised for more than twenty years, while eighteen miles further north, along the Matoles River, apples, apricots, cherries, peaches, pears, plums, prunes, strawberries, blackberries, etc., including even walnuts and pecans, have been grown with such regularity from year to year, as to guarantee annual crops in the future almost a certainty.

By courtesy Wenatchee Republic
A One-Acre Strawberry Patch on a Fruit Farm Near Wenatchee, From Which was Marketed in One Season $350 Worth of Berries

With the application of water to the desert during the last few years, a new condition has been brought about that will not only cause the district in question to become densely populated, but will also compel the settler to utilize every available foot of land in the most profitable manner. With this in view, the new settler is already engaged in planting fruit as rapidly as circumstances will permit, and it is safe to say there are already several new orchards, any of which exceed the total acreage of all the old orchards referred to. That this work will continue more vigorously from year to year is fully evidenced by present plans for a number of large orchards for commercial purposes.

Of the new settler it may be said that he is intelligent, up to date, and fully realizes the importance of living in a progressive and successful community. With this in view, settlers' organizations

have been perfected in different localities, where all subjects pertaining to their mutual welfare are freely discussed, of which fruit is by no means a minor subject. That the commercial orchards will be planted with the higher quality of fruit, and cared for under scientific methods, is the only logical result that can be anticipated.

As there was no water for irrigation before the summer of 1904, with the exception of two orchards planted by Messrs. Becker and Mutzig at Laidlaw, no fruit of any kind was planted under the new conditions prior to the fall of 1904. The results obtained within the short period of two years surely are most wonderful, and clearly foretell that this will become one of the principal fruit districts of the world. Owing to its high elevation, the fruit problems are probably the most difficult in the vicinity of Bend, but on account of the earlier use of water are more advanced, and it is to this vicinity that we will principally refer. As usual, strawberries were the first to produce a profitable crop, and an experiment of two seasons has fully demonstrated that the Clark Seedling greatly surpasses all other varieties tried in this vicinity. This berry has proved itself not only to be hardy, but to begin bearing at once, prolific in the production of fruit, bears a profitable crop the second year, and during 1906 had a second crop growing and maturing at the end of the stolons during September and October, the fruit crop lasting about six weeks. In quality they surpassed the Clark Seedlings shipped to Bend from any Columbia River points, and readily sold for 20 cents per pound. An important item is that the berry raised at Bend is not ready for market until the Columbia and Willamette Valley berries are out of the market. Both currants and gooseberries begin to bear the first year and produce a profitable crop the second year after planting. The varieties first planted of these are the Downing gooseberry and cherry currants, but higher grades, such as Red Cross and White Grape currants and the Pearl and Chautauqua gooseberries, have been planted later and show that they are well adapted for this vicinity. Both red and black cap raspberries begin to bear the first year, and show the remarkable phenomena of having fruit on the new canes. This latter freak of nature is particularly noticeable in the Cumberland black cap, which, while exceedingly prolific in growing strong, stocky canes, will not only produce an abundant crop on new canes, but will continue to bloom and produce even after the first berries begin to ripen. Dewberries bore good fruit the second year after planting, while all kinds of blackberries did not grow canes until the second year. Of these the prolificness in growing canes has been in the following order: Merserlan, Rathbrun, Evergreen, Lawton, Eirie, Mammoth; Logan canes being advanced about the same as the Rathburn blackberries. In reference to orchard fruits, the principal thing noticed is the small percentage of loss in trees, the rapid growth and the early tendency to bear. On account of the distance from railroads, the trees are usually received in poor condition, but even then the loss is small compared with trees planted in good condition in Eastern sections. There are numerous instances of apples, plums and prunes growing from five to six feet in one season, and a pear tree in Mr. A. H. Grant's yard grew eight feet during the second season after planting. A cherry tree in Mr. Mutzig's orchard and a plum tree in Mr. Drake's yard bore fruit one year after planting, while pears in Mr. Grant's yard were in bloom equally as early.

STRAWBERRY PICKING AT KENNEWICK, WASHINGTON

This patch of strawberries was planted in April, 1905, and the following May, 1906, Charles Conway, the owner, took off $300 per acre, thirteen months after planting. The tract of three acres lies inside the city limits of Kennewick. Variety, Clark Seedling

ANOTHER VIEW OF PICKING STRAWBERRIES AT KENNEWICK

Having before us the successful results of the early settlers, the favorable indications under the new conditions, the large acreage that this district covers, the certain prospects of other important developments that will build up markets and trade centers, and the positive assurance of early and direct transportation facilities in the near future with the principal markets of the world, we surely feel fully justified in the faith that we have in reference to the future fruit prospects for this district.

"Better Fruit"—Dear Sir: I want regularly three copies of "Better Fruit" instead of one, two copies to be used as reference. A. A. Schenck, Omaha, Neb.

PRESENT OUTLOOK OF NORTHWEST FRUIT CROPS

WHILE it is somewhat early to make an accurate estimate of the fruit crop in the states of the Pacific Northwest and in Montana, Utah and Colorado, all reports are to the effect that the apple crop is a short one. Other fruits, such as cherries, prunes and peaches, will be a far better crop than apples, and the prune output is expected to be an exceptionally good one. Pears are also said to have wintered well, the set being heavy and the fruit of an exceptionally fine quality. It was not expected that the output of apples would be nearly as large this year as last, which was an exceptional season, but those who are careful observers of fruit conditions were of the opinion that with a greatly increased acreage coming into bearing the total output should not fall far short of last season. It will not, however, meet expectations. A careful estimate, it is thought, of the entire output of the states mentioned will be in the neighborhood of 60 per cent. In some districts it is claimed that the crop will reach 80 to 85 per cent, while in others it has been placed as low as 25 to 35. As early estimates in short years are almost invariably placed too low, just as they are for some unknown reason usually placed too high in the big years, the crop on the average will probably do a little better than it has as yet been estimated.

The season of maturity for all fruits has been a late one. Strawberries and cherries were from ten days to two weeks later this year than usual, and other fruits are ripening at about the same ratio. The lateness of the crops has had a tendency to make high prices and the first berries shipped from Hood River this year brought as high as $8 per crate, while they maintained the price of $6 and $5 per crate for almost a week or ten days, something unknown before in the history of the berry business. Prices for berries were also high in other districts, and Kennewick, Wenatchee, Yakima, Southern Oregon and the Spokane country all reaped a harvest from their berries this year. Late frost made a short crop in some districts and affected it to a more or less extent in all of them but Southern Oregon, which does not, however, grow berries for long distance shipments. Cherry growers have had one of the most successful seasons in their history, and the product has probably been the finest ever placed on the market and more plentiful. It was found profitable to ship them to New York markets in addition to all the large cities of the Middle West, Texas and Mexico, and 25 cents per pound was realized for a three-car shipment in the great metropolis of the Atlantic seaboard. For several years commission firms in the far Eastern cities have tried to induce Oregon cherry growers to make the experiment of sending carload shipments to the Atlantic coast. The successful result obtained from shipments this year will undoubtedly pave the way for a larger business in coming years. The market for the high-grade cherry, if it once secures a foothold in Eastern markets is not difficult to foretell.

A three-year-old Elberta peach tree near Kennewick, Washington, from which the grower, W. S. Haxton, sold seven boxes of choice peaches. Some of the peaches measured over twelve inches in circumference. The fruit sold for $1.00 per box

As to apples, the first of the early varieties have already been placed on the market. Wenatchee and Yakima usually lead in placing them on sale, and this year was no exception to the rule. They are not, however, much of a factor in the output and cannot be considered as having much bearing on controlling prices. Yakima growers claim this year an 85 per cent crop for their apples. This is slightly more than that claimed by any other district, but as it is concurred in by Eastern buyers and others who have investigated, it is probably a pretty close guess as to what will be marketed from that section this year. The Zillah and Toppenish districts are expected to average about the

A TEN-ACRE TRACT NEAR KENNEWICK, WASHINGTON
Peach and apricot trees three years old, with strawberries between the trees

same as Yakima, being similarly situated, and the crops of both districts will be marketed from Toppenish. It may be of interest to note that on June 5 there were still in cold storage at Yakima 1000 boxes of Winesaps and Arkansas Blacks, which were bringing in the Seattle markets $2.60 per box.

At Wenatchee, E. T. Balch, secretary of the Wenatchee Fruit Growers' Association, estimates that the crop taken as a whole will be about the same as last year. The Ben Davis, one of the heaviest bearers in the Wenatchee country, is said to be showing indications of a very heavy crop in some orchards, and light in others. The same is said to be true there of peaches, but the cherry crop was the biggest ever known. The increase in acreage is expected to make up an otherwise shortage in the shipments of apples from Wenatchee this year. Other districts adjacent to Wenatchee are expected to fare about the same as their parent fruit shipping center. Cashmere will have a full crop in everything but cherries. Monitor is said to be in the same boat, and Peshastin's crop is reported as good. Already this district fears a shortage of cars when the apple season commences, and is taking steps to provide against a recurrence of what happened last year when the railroad company was unable to move their big apple shipments. The peach crop at Wenatchee this year is estimated at between 275,000 to 300,000 boxes, as against 225,000 last season.

ANOTHER ORCHARD SCENE AT PAONIA

Rogue River, Oregon, it is reported, does not share in the shortage of other districts this year, and apples and pears are said to be fully up to the average. The largest shipment in its history is expected to be sent out, owing to new orchards coming into bearing. The shipment from there last year was between 200 and 250 cars. Rogue River is looking for a harvest this year on account of its big crop and high prices and the shortage elsewhere. It is said one of the fanciest packs that has ever been put up in the Northwest will be sent out from this district this year.

The crop at Hood River is estimated by growers and shippers to be about 60 per cent. While a light yield was looked for this year, it is somewhat less than was anticipated. One reason for the falling off in the output is accounted for by the big crop which was obtained last year, and that most of the varieties which are planted at Hood River do not yield heavily every year, this being particularly so of the Spitzenberg. Added to the natural shrinkage after a heavy bearing year, unfavorable weather conditions late in the spring as elsewhere did some damage. The output this year is placed at between 100,000 and 120,000 boxes. Although a short yield, the Hood River apple crop is stated to be the finest as to size and quality ever known at this time of year, and the high average price obtained last year is expected to be eclipsed. While perhaps not anticipating any such high figures as $3.15 a box for any variety, which was the amount paid for Spitzenbergs last year, it is expected that the all around price for all varieties will be higher, and it would seem that it is but good judgment to expect it with a more limited supply of what is considered by apple buyers the fanciest goods placed on the market. The Hood River estimate does not include the Mosier product, which is becoming considerable and will probably total 5000 to 10,000 boxes more, but is generally looked upon as included in the Hood River output, and the crop will yield the growers handsome returns.

The Lewiston-Clarkston country anticipates shipping 200 cars this year. This is twenty-five cars more than has ever gone from that district in previous years. Early reports of disastrous damage by frost are said to have been exaggerated and although peaches were hit pretty hard, crops of other fruits are excellent. The Lewiston-Clarkston fruit section is a coming country, and while not so much is heard of it as other districts, it is fast assuming a prominent place in the production of Northwestern fruits. Reports now coming from other points on the Snake River indicate that they were not nearly so badly injured by frost as expected, and orchards around Pullman, Washington, are expected to produce at least 100,000 boxes. The highlands were practically untouched, and both apples and prunes are reported as doing unusually well.

In the Spokane, Washington, country, the apricot crop is said to be a failure this year, the fruit being small, scarce and of poor quality. Those that have been placed on the market have sold for about $1.25 per crate, more on account of the demand on a limited quantity than because of any extra quality of the fruit. The apricot crop there will be only about ten per cent of the normal yield. A very large crop is expected, however, of all varieties of plums and prunes.

In upper Washington, the Okanogan, Kettle Falls, Meyers Falls, Lake Chelan, and other districts that have a comparatively limited area, but which are fast

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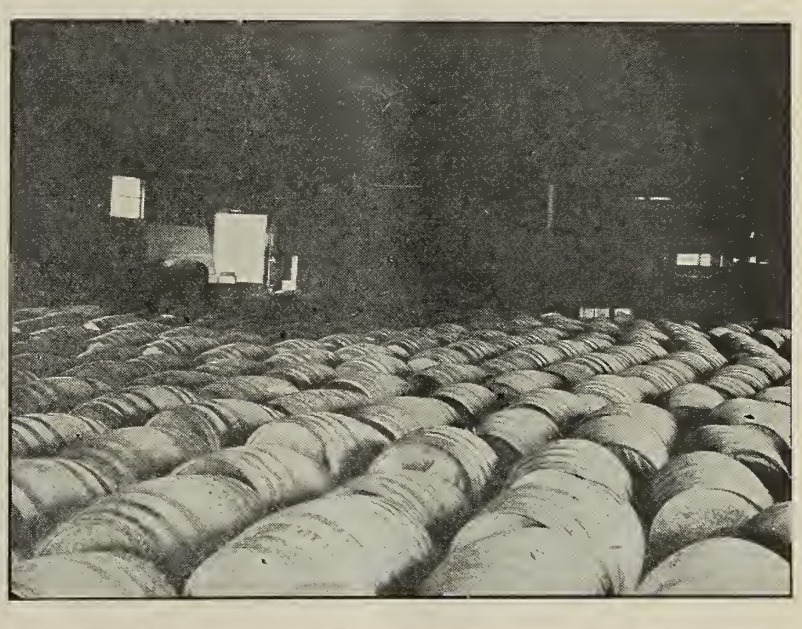
VEHICLES AND AGRICULTURAL IMPLEMENTS

THE BEST OF ORCHARD AND GARDEN TOOLS A SPECIALTY

J. R. NICKELSEN
HOOD RIVER, OREGON

becoming known as great fruit-raising districts, prospects are stated to be very favorable with a crop approximating 75 to 80 per cent. Whatcom county in the Puget Sound fruit districts reports a good yield.

In the Milton-Freewater and Walla Walla section a recent report made by N. W. Mumford of the Walla Walla Produce Company states that the strawberry crop although short was much better than expected. Cherries were plentiful at good prices, and peaches will be a good crop of extra fine quality. Blackberries were unprecedented in their yield this year, the bushes being loaded with fine fruit. The apple crop is also reported as good, freer from worms and diseases, and of a better general quality, due to the rigid enforcement of the spraying laws by Fruit Inspector Evans. Imnaha reports an exceptionally good crop of apples, plums and prunes, with a peach crop of 25 per cent. The Milton Fruit Growers' Union has contracted 300 tons at 52½ cents per crate, or about $24 per ton. This is an increase of $8 per ton over the price of last year, and means a revenue to Milton growers of $7200 from this sale alone. In net figures it will give them $2400 more than they received for the same number of tons last year. The fruit was bought by Riggs & Saxton of Boise, Idaho.



The above cut shows 150,000 pounds of the finest Royal Anne Cherries put up in barrels, representing a value of $15,000. These are used for the finest trade of the country. Besides this, 100,000 pounds were used for high-grade canned cherries. The fruit was produced in Ione County, Oregon

The prune outlook for the Willamette Valley (Oregon) this year is an exceedingly bright one. H. C. Atwell, president of the Oregon State Horticultural Society, estimates that the crop will total the big figure of 22,000,000 pounds. It is already apparent that it will command good prices from contracts that have been made. Lasselle Bros. expect to ship 6,000,000 pounds to Eastern markets, and have made one purchase amounting to 200,000 pounds from Dr. Scarborough, an Albany, Oregon, grower. This firm has erected an immense drier at Union, the surrounding country being expected to furnish 1,000,000 pounds. Linn, Benton, Polk and Yamhill counties are slated to furnish 3,000,000 pounds more, and the remainder will be secured from other points in the valley. Fifteen cars have been sold by them to firms in London direct. Four and three-quarter cents is the prevailing price being paid by Lasselle Bros., while the New York price is quoted at 7½ cents. It is estimated that prune growers will receive from this firm this year in the neighborhood of $285,000 for their product.

The general fruit crop of Idaho is expected to be good. Indications are that peaches will yield exceedingly well and be of extra quality. Apples are expected to average something better than half a crop, with an unusually large per cent of first grade fruit. Other fruits indicate profitable returns and about a normal yield.

In Colorado the shortage is more noticeable than any of the Western states, some districts practically having no crop at all. In the Paonia district returns will be exceedingly light. This is also true of other sections in the Delta and Mesa country and generally throughout the state. The Grand Junction territory will have the largest returns, which will not, however, reach more than 35 per cent of normal at the outside, according to reports given out by associations and independent shippers who have made a thorough investigation. The shortage is said to apply to all fruits. A few sheltered spots comprising small areas are estimated to produce 65 per cent, but their product is so inconsiderable as to not cut much of a figure in the general output. In the neighborhood of 3,000 cars was shipped out of the Grand Junction and adjacent fruit belts last year, which is expected to be cut down to 700 this season.

California joins in the shortage, showing that frost, which is the cause of the trouble in many districts, is not altogether responsible for less fruit this year. Like Colorado, the Sunset state has a fair average in favored spots, but as a whole returns will be far from the average.

British Columbia did not escape the breath of Jack Frost. Reports received from there indicate that all fruits suffered severely and that even apples of the more hardy varieties will not be an average crop. The effect was general throughout and includes the Lower Mainland, Upper Country and Vancouver Island. Early frosts and a succeeding drouth are said to be responsible. Apples are a better crop than the small fruits, which will not yield more than a quarter crop. This is said to apply also to the British Columbia Okanogan district, where apples will not be an average crop. It is thought, however, that pears may show better returns.

CONVENTION OF PACIFIC COAST NURSERYMEN DISCUSSES MATTERS OF INTEREST TO TRADE

PACIFIC Coast Nurserymen met in Salem last month in annual convention, with representatives from all the districts on the Coast and visitors from Southern and Eastern states. The meeting was held in conjunction with the cherry fair, and a program both interesting and valuable which had been prepared was successfully carried out. Some of the largest nurseries to be found in the Pacific Northwest are located at Salem and the visitors found much of interest in visiting them. During the sessions valuable papers on various subjects of horticulture were read and discussed, F. W. Power, president of the association, presiding at the opening session. The association was reported to be in a growing condition and many new members added during the year. As nursery stock is one of the most important matters to orchardists, it is natural that many of them take considerable interest in these meetings. In fact, in order to give those who were in attendance at the cherry fair an opportunity to hear the papers read and listen to the discussions which followed, the exhibit hall was closed while they were in session. It is evident from the sentiment shown that growers and dealers in nursery stock are quite as anxious to improve wherever possible the quality of trees for planting, and also to discard all slipshod and dishonorable methods, which were so frequently to be met with some years ago. They are now working hand in hand with the progressive grower for a finer quality of fruit and in some instances are outstripping the former in new methods. Confidence between the two is most essential, and members of the association, realizing the fact, are taking every precaution to protect the grower as well as themselves.

NEW CRATE IN USE FOR SHIPPING CHERRIES AT HOOD RIVER
(1) Crate in Knock Down, Showing Parts

The Pacific Coast Nurserymen will next year convene at Yakima, Washington, the meeting to take place in July. A special fruit exhibit of some kind to be decided on later will be one of the features provided by the fruit growers of that district. W. D. Ingalls, of North Yakima, was elected president of the association in place of Mr. Powers for the ensuing year.

FIFTEENTH NATIONAL IRRIGATION CONGRESS TO BE HELD AT SACRAMENTO IN SEPTEMBER

THE Fifteenth National Irrigation Congress, which will be held in Sacramento, California, September 2-7 next, will be a very important and valuable session. The people of Sacramento are already making preparations for the event. A managing committee or board of control has been created, an office established and the work of providing for the comfort and entertainment of visiting delegates is well under way.

The plans for the event include an interstate exposition of irrigated-land products and forestry, in which all states having irrigation and forestry interests have been invited to participate. It is announced that handsome trophies and prizes will be offered for state and individual exhibits of all kinds of irrigated products, also for exhibits of forest products and minerals.

The National Irrigation Congress is composed of delegates representing farmers' clubs, irrigation societies, Chambers of Commerce, and other organized commercial bodies, cities, counties and states. The meetings are held annually and are attended by delegates from all parts of the United States. Among those who attend are United States Senators and Congressmen, Governors of states and other high officials of national and state governments, as well as practical farmers, irrigators, stockmen and lumbermen.

The purpose of the Irrigation Congress is to promote the development of wise and beneficial national irrigation and forestry policies, as well as to pro-

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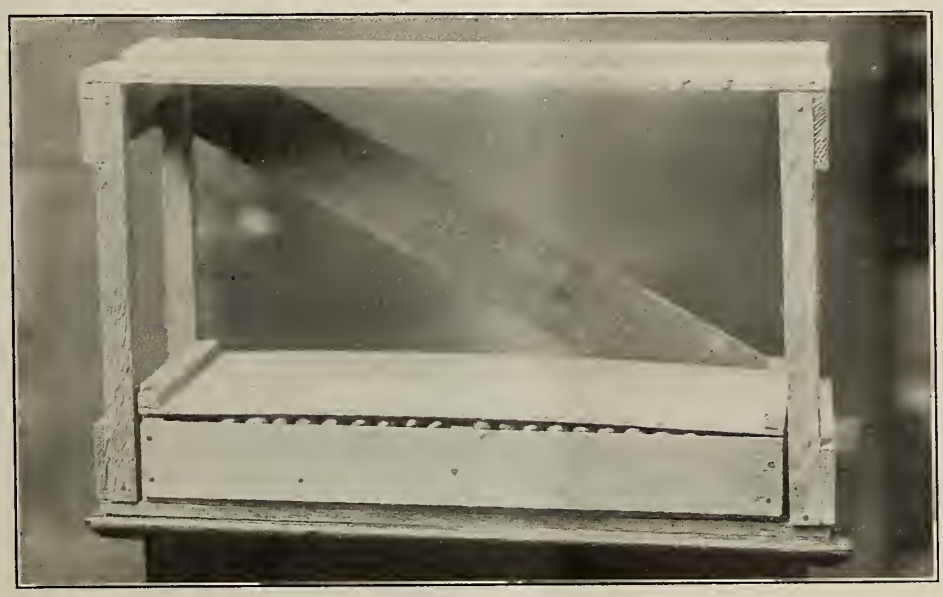
WHEN WRITING ADVERTISERS MENTION BETTER FRUIT

vide for discussions of practical details of irrigation and forestry. Great and valuable results have followed the work of the congress in the past, and with the growing importance of and increasing interest in national irrigation and national forestry still greater importance attaches to each succeeding session.

Railway companies have been asked to make special rates of fare, and special freight rates for exhibit materials intended for exhibition at the Interstate Exhibition, and it is expected that extremely low rates will prevail. Sacramento, where the irrigation congress will be held, is the capital of California, an important railway and commercial center, but chiefly important from an agriculture standpoint by reason of the fact that it is located in the heart of the great valley of California, within which lie the greater portion of the farming lands of the state. A thousand-mile excursion through this great valley is a part of the plans for enabling delegates to see California farming and California irrigation.

Cherries were an excellent crop this year and prices ruled rather high. Ten cents per pound retail was the lowest for good fruit.



(2) Partly Put Together, So Boxes Can Be Placed in It

SALEM ENTERTAINS THE STATE CHERRY FAIR

THE Oregon cherry fair, held this year at Salem, July 10, 11 and 12, was an unqualified success, both in point of the fruit exhibit and in attendance. The display and pack of fruit is said by experts to be 100 per cent better than any previous exhibit. It is the intention to make the cherry fair an annual event, and the wide interest taken in it this year will undoubtedly stimulate growers to produce an even better grade of fruit in succeeding years, although it seemed after viewing the exhibits at Salem that perfection had been reached. With the exception of the prizes taken by Miss Clara Webb, of Troutdale, and three of the second class secured by J. R. Nunamaker, of Hood River, the Willamette Valley captured everything in sight and made good its claim to be the home of the cherry in Oregon. The following is the award of premiums:

Royal Anne, 10 pounds, J. M. Spong, Salem, first; T. H. Blundell, Salem, second.

Royal Anne, 10 pounds, in cartons, J. P. Minch, Salem, first; Mrs. J. R. Chapman, Salem, second.

Lambert, 10 pounds, Miss Clara Webb, Troutdale, first; J. R. Shepard, Zena, second.

Lambert, 10 pounds, in cartons, Miss Clara Webb, first; J. R. Nunamaker, Hood River, second.

Bing, 10 pounds, J. R. Shepard, first; C. A. Muths, Lincoln, second.

Bing, 10 pounds, in cartons, E. W. Millhollen, Albany, first; J. R. Shepard, second.

Black Republican, 10 pounds, C. A. Muths, first; J. R. Nunamaker, second.

Black Republican, 10 pounds, in cartons, B. I. Ferguson, Eola, first; J. R. Nunamaker, second.

Hoskins, 10 pounds, C. E. Hoskins, Springbrook, first; no second.

Hoskins, 10 pounds, in cartons, W. A. Rice, Salem, first; C. H. Chapman, Salem, second.

Deacon, 10 pounds, L. T. Reynolds, first.

Deacon, 10 pounds, in cartons, C. H. Chapman, first.

Waterhouse, 10 pounds, B. I. Ferguson, first; H. Best, Monmouth, second.

Waterhouse, 10 pounds, in cartons, H. Best, first; J. F. Jones, Salem, second.

Commercial pack, H. S. Gile & Co., Salem, first.

Sweepstakes, Andrew Vercler, Salem, first; Clara Webb, second.

Plates Royal Anne, H. A. Lewis, Russelville.

Lambert, J. R. Shepard.

Bing, J. R. Shepard.

Black Republican, John Minter, Salem.

Waterhouse, J. B. Nunn, Dallas.

Oregon, H. A. Lewis.

Giant, H. A. Lewis.

English Morello, T. D. Jones, Salem.

Poulheim, E. V. D. Paul, Ukiah, California.

Tartarian, James Winstanley, Salem.

Late Duke, C. E. Hanna, Salem.

Seedling cherry, C. E. Hoskins.

The judges of exhibits were C. A. Tonneson, editor of the Northwest Horticulturist, of Tacoma; G. R. Castner, of Hood River, and Professor C. I. Lewis, of Oregon Agricultural College.

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PACKING AND SHIPPING OF APPLES TO FRANCE

CONSUL JOHN C. COVERT of Lyons has received a letter from the Idaho State Agricultural Association stating that the farmers of that state are about to embark in an effort to sell large quantities of their apples to foreign countries, and making inquiries about packing, etc., and the possible sale of their apples in France. Mr. Covert responds:

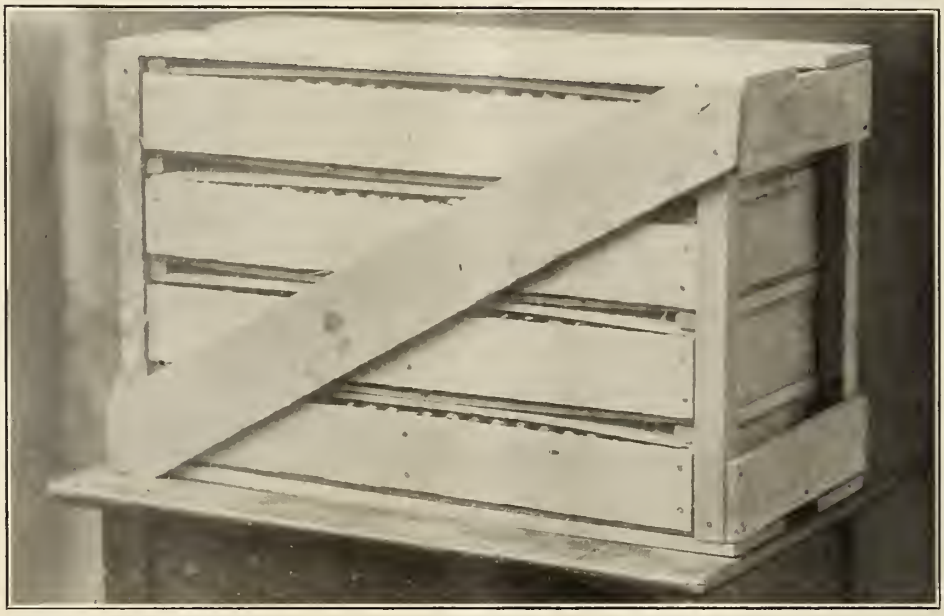
"There are a number of wholesale dealers in fruit in this city who say that they sometimes have to import large quantities of apples from foreign countries. Their imports thus far have been principally from Canada. Russet apples are very popular with them. A few apples have been received here from California and they were very well liked. Some fault was found with the packing, from which many of the apples were found bruised upon arrival. The largest fruit dealer in Lyons suggests that a heavy lining of coarse paper be placed on the sides of the barrels, between the apples and the wood. They should also be packed in as small quantities as possible. In all the cities of France there are many thousands of small fruit dealers who would buy a small barrel or crate of apples, but could not buy a large barrel.

"In the great central markets in the cities of this country, game, fish, or fruit, in their season, is sold at auction once or twice a day. If the Idaho people would appoint an agent here to receive their apples and sell them at auction they might succeed in forcing their way into this market. These sales are all conducted under the authority of the government."

BETTER FRUIT takes pleasure in calling the attention of its readers to the educational institutions advertised in its columns. The school year will soon be here and nothing is more important than selecting a good school to complete an education commenced in the country districts. As such we can recommend St. Helen's Hall, Portland, Oregon; St. Margarets' Hall, Boise, Idaho, and Dr. Hill's Military Academy in Portland.

THAT Coos County can raise other things besides timber is evidenced by a communication from H. A. Todd, of Round Hill Farm, who states that fine strawberries were grown there this year, and adds that they were sixteen days earlier than the Hood River product. This is certainly a remarkably good showing.

THE Spokane Co-operative Produce Association is the name of an organization recently formed at the former place to produce and distribute produce on a strictly business basis. It is stated that its members have discovered that production is a business and must be so conducted, and that they pledge themselves to market products at the minimum expense to the producer.



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Spring and Summer is the time to fight woolly aphis, and Tobacco Dust is the preparation to use in fighting it. Tobacco Dust is safe and effective, and is a valuable fertilizer for the trees as well. It is recommended by the Missouri Experiment Station and other authorities.
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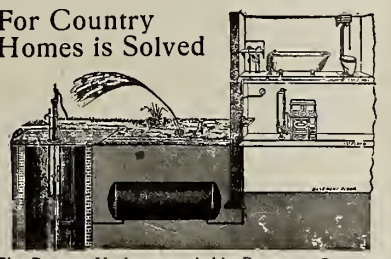

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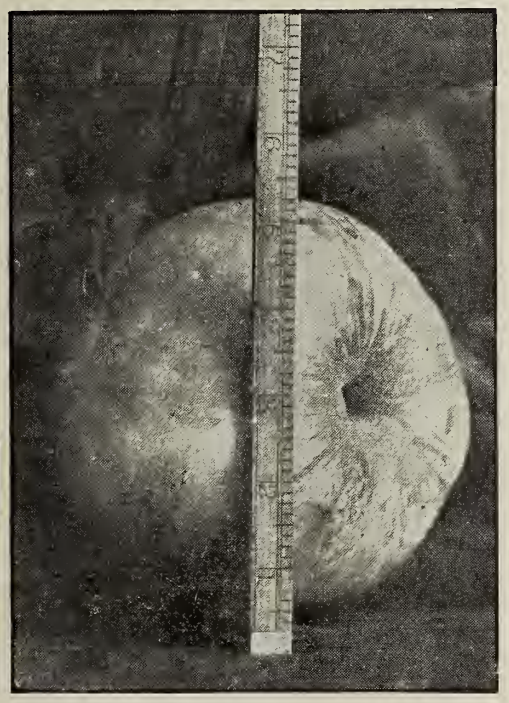
INTERESTING STORIES ABOUT STRAWBERRIES

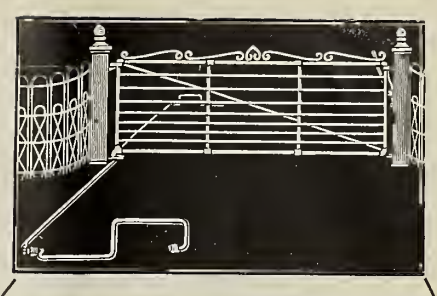
MR. C. A. WARNER is all smiles over the new variety of strawberry which, after five years of experimenting, he now places upon the market in all its beauty and lusciousness. Five years ago he and Mr. C. W. Nessly began a series of experiments with the object of producing a new and desirable kind of strawberry, and the result after all this period of patient labor is most gratifying. Its success last year was reasonably assured, but this year there is no sign of room for doubt. The splendid new berry, which Mr. Warner calls the Prosser Seedling, is a cross between the Brandywine and the Clark's



By courtesy Eugene Register
GRAVENSTEIN APPLE
Grown by J. E. Kilborn, in the Willamette Valley, Oregon. This apple measures almost five and a half inches in diameter, and was on exhibition at the Oregon State Fair, and attracted much attention on account of its size and perfect shape

Seedling. Experts on the coast to whom it has been submitted pronounce it to have the flavor of the Clark's Seedling and the peculiar "tang" of the Brandywine. It is a solid, meaty, juicy berry, good to look upon and a joy to the palate. In size it will possibly not average as large as some varieties, but it is large enough to suit any one and of most delicious flavor. This gentleman has another variety, a "banana strawberry," which is calculated especially for table use and is not available for shipping because of being too soft. It is most beautiful in color, meaty throughout, and grows very large. Out of a lot brought in Tuesday many measured five inches in circumference, and a number went five and a half inches.—Prosser Republican.

Mrs. George Grant, who resides north of Pullman, according to the Pullman Tribune, on Saturday brought in a box of strawberries which contained just twenty of the largest and finest seen this season. The quality was excellent despite the cold and the rain that existed prior to the picking of them. Mrs. Grant says that they have four rows about sixty feet long of these berries,



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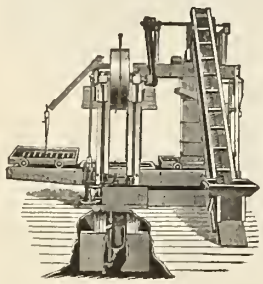

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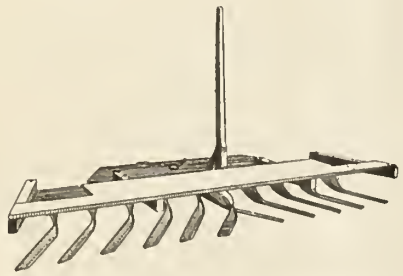

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from which they pick over a crate every other day if the weather conditions are favorable. The plants came from Walla Walla, but she does not know the name of the variety.

The Yakima (Washington) Herald says that H. W. Turner, a Sunnyside gardener, brought two cases of berries to market of the Brandywine, Pride of Michigan, Dixon and Hood River varieties, from which were taken four berries which weighed eight ounces, and six of them filled a quart box. These monsters were shipped by W. E. Stephens of the Yakima Valley Land Company to Spokane to be put in jars by an expert for exhibition in the Spokane Chamber of Commerce building.

THE Fifteenth National Irrigation Congress will this year hold its annual convention at Sacramento, September 2 to 7. As usual, its meetings will be fraught with interest to the irrigationist and its deliberations attended by men high in the affairs of the state and nation. Irrigation has undoubtedly been the making of much of the Western country and any influence which can be brought to further its beneficent effects should find ready champions.

BOOKS we have read, own and recommend which can be ordered of your local stationer, or direct. The initials after the name represent the publishers, whose address can be found at the end of the list. These books can be ordered of the J. K. Gill Co., Portland, Oregon.

Fruits and Fruit Trees of America—*Downing*	W	$4.50
California Fruits—*Wickson*	P	2.50
Success with Small Fruits—*Roe*	DM	.75
American Fruit Culturist—*Thomas*	WW	2.50
Strawberry Culturist—*Fuller*	J	.50
The Principles of Fruit Growing—*Boiley*	M	1.25
Bush Fruits—*Card*	M	1.50
Horticulturists' Rule Book—*Boiley*	M	.75
The Nursery Book—*Bailey*	M	1.00
Pruning Book—*Boiley*	M	1.50
Cyclopedia of Horticulture—*Boiley*	D	30.00
Nut Culturist—*Fuller*	J	.75
Insects Injurious to Fruits—*Sounders*	L	2.00
Fungi and Fungicides—*Weed*	J	1.00
Insects and Insecticides—*Weed*	J	1.50
Spraying Crops—*Weed*	J	.50
Spraying of Plants—*Lodeman*	M	1.00
Talks on Manure—*Horris*	J	1.50
Farming with Green Manures—*Harlan*	F	1.00
Fertilizers—*Voorhees*	M	1.00
Irrigation Farming—*Wilcox*	J	2.00
Irrigation for Farm, Garden and Orchard—*Stewart*	J	1.50
Irrigation and Drainage—*King*	M	1.50
Gardening for Profit—*Henderson*	J	1.50
New Onion Culture—*Greiner*	J	.50
New Rhubarb Culture—*Morse*	J	.50
Asparagus—*Hexomer*	J	.50
Vegetable Gardening—*Green*	WP	1.25
A B C of Potato Culture—*Terry*	R	.45
Tomato Culture—*Root*	R	.35
Melons—*Burpee*	B	.20
The Vegetable Garden—*Velmorin*	D	4.50
The Forcing Book—*Bailey*	M	1.00
Garden Making—*Bailey*	M	1.00
Practical Garden Book—*Nunn & Bailey*	M	1.00
Hedges and Windbreaks—*Powell*	J	.50
The Soil—*King*	M	.75
Fertility of the Land—*Roberts*	M	1.25
The Farmstead—*Roberts*	M	...
Rural Wealth and Welfare—*Fairchild*	M	...
Farm Poultry—*Watson*	M	1.25
How the Farm Pays—*Crosier & H.*	H	2.00
The First Book of Farming—*Goodrich*	D	1.00
Cyclopedia of Agriculture	J	4.50
The Principles of Agriculture—*Bailey*	M	1.25
Roses and How to Grow Them—*Sibson & Holman*	G	.50

ABBREVIATIONS

Pacific Press Pub. Co., San Francisco, Cal.	P
Orange Judd Co., New York	J
Webb Publishing Co., St. Paul, Minn	WP
A. C. Root Co., Medina, Ohio	R
W. Atlee Burpee, Philadelphia	B
J. H. Gregory, Marblehead, Mass.	G
Doubleday, Page & Co., New York	D
A. T. Ferris, Shea	F
John Wiley & Sons, New York	W
W. W. Wood & Co.	WW
J. B. Lippincott & Co., Philadelphia	L
J. K. Gill & Co., Portland	G
MacMillan Co., New York	M
P. Henderson & Co., New York	H

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THERE is no section of the United States that offers the descriptive writer the opportunities presented by the Pacific Northwest, and Portland and Oregon are especially rich in their variety of attractive and substantial features.

To encourage visitors to include Portland and Oregon in their itinerary and become better advised, and also to be able to tell others, the Portland Commercial Club offers $5000 in prizes for articles on Portland, Oregon, and this section of the United States as follows:

First prize	$1000.00
Second prize	500.00
Third prize	250.00
Fourth prize	200.00
Fifth prize	175.00
Sixth prize	150.00
Seventh prize	125.00
Eighth prize	110.00
Ninth prize	100.00
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Ten prizes of $75.00 each	750.00
Ten prizes of $50.00 each	500.00
Ten prizes of $25.00 each	250.00
Twenty prizes of $15.00 each	300.00
Twenty prizes of $10.00 each	200.00
Three judges to be named by Hon. George E. Chamberlain, Governor of Oregon	300.00
Grand Total	$5000.00

In order to be eligible for competition, these articles must appear in a regular edition of some newspaper or other publication dated on or before December 31, 1907, printed outside of the States of Oregon and Washington, said publication (complete) to be in the hands of the judges not later than February 1, 1908. These articles must be sealed and addressed to Prize Contest, care Portland Commercial Club, Portland, Oregon.

They will be opened by the judges. Prizes will be awarded strictly on the merits of the articles. Contestants can treat any phase of the subject that appeals to them — natural resources, scenery, irrigation, agriculture and horticulture, timber, dairying, history, educational and religious advantages, climate, social conditions, etc., or in a more comprehensive vein. The judges will be absolutely untrammeled in making their decisions.

This offer is made, not so much with a view of having the country "boomed" in the common acceptation of that term, as to have the people of the country become more familiar with this portion of the United States and give expression to their views in such articles as will be acceptable to papers throughout the entire continent. TOM RICHARDSON, Manager Portland Commercial Club.

OF late many people unfamiliar with conditions, who are about to engage in growing fruit, and others, who talk because they enjoy it, even if they don't know what they are talking about, wonder what is going to be done with the immense overproduction of fruit which they claim will result from the immense selling now going on. Nature seems to take a hand in regulating supply and demand. Spitzenbergs and Newtowns brought $2.00 per box forty years ago, and the price is not far from that today for fancy. America has not overstocked the wheat market, even with the immense Western country that has come in during recent years, although on top of this is added the South American yield. Still we continue to grow wheat and more of it every year. Why not more fruit, or why fear overproduction?

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of Hood River, Oregon

STANDS AT THE HEAD OF THE LIST AS PACKERS AND SHIPPERS

During the past thirteen years we have built up a reputation for *quality* that has enabled us to handle crops grown by members of the Local Union as well as other growers, at price above what they could otherwise secure.

Our mission is to give the growers good prices, and the buyers fruit of such quality as will enable them to make satisfactory profits.

Our specialties are APPLES and STRAWBERRIES, but we handle all kinds of fruits grown in this section, including Pears, Plums, Cherries, Blackberries and Raspberries. If you are a buyer write us. If a grower call and see us, or telephone Main 71.

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We have modern cold storage facilities essential for the handling of your products.

Reliable market reports

PROMPT CASH RETURNS

WHEN WRITING ADVERTISERS MENTION BETTER FRUIT

By courtesy of Wenatchee Republic

WONDERFUL YIELD ON APPLE TREE IN WENATCHEE VALLEY ORCHARD

As can be seen, the tree is so heavily loaded with fruit that its branches are bent to the ground. Many of the apples have fallen, but there are still so many left on the tree that they can scarcely be counted. The yield is a most remarkable one

By courtesy of Wenatchee Republic

APPLE TREES NEAR CASHMERE IN THE WENATCHEE VALLEY, AT HARVEST TIME

Burdened with fruit, they had to be propped up to prevent the limbs from breaking. With such heavy fruiting it is not to be wondered at that such large shipments of fruit are sent from a comparatively small acreage at Wenatchee. This view also gives a good idea of the clean cultivation and irrigating methods employed there

WHY BRITISHERS LIKE THE NEWTOWN PIPPIN

G. H. SHUTTLEWORTH, representing apple-buying firms in Liverpool, London and Glasgow, who was recently at Hood River, looking for consignments of Yellow Newtown Pippins for the export trade, believes that this apple has the greatest future of any that can be raised in Oregon, and says that there is almost an unlimited market for it. When asked by a representative of the Oregonian why Englishmen prefer the Newtown to the more brilliantly colored, expensive Spitzenberg, Mr. Shuttleworth said:

"One reason is on account of custom and tradition. The Newtown has been coming to England for a great many years and was sent there by apple-raisers in Virginia when it was an English colony. But the more prominent one is that the native son of Britain likes a hard, crisp apple. In the Newtown he has it.

"Another thing," he continued, "that makes the Newtown popular is on account of its greater keeping qualities than any other apple. A peculiar custom obtains in England that is not to be found in this country, where apples are both plentiful and cheap, and that is hiring out fruit for table decorations. The Newtown serves this purpose admirably as it can be used many times with care, and you would be surprised to learn what a profitable business this is in England. Some very amusing things have occurred over this custom, as strangers who do not understand are apt to eat the fruit when it is offered to them and cause the family who are entertaining to live rather frugally for the balance of the week in order to pay for it. Your true Briton when dining out and there is fruit on the table, watches the hostess closely when it is passed, and, if she refuses, knows that it is hired and not to be eaten, and refuses also.

"Newtown Pippins are not common, but a luxury in England, where they sell for as high as $5 and $6 a box, and are looked upon as a suitable Christmas present for the highest in the land. In fact, that is why we are always anxious to secure large consignments just before the holidays, as hundreds of boxes are sent to lords and ladies of titles with no end.

"Putting up the fruit in boxes," added Mr. Shuttleworth, "is not understood by the average English dealer, who has never seen them in anything but barrels. When we are advertising a sale of fruit for auction, if the consignment consists of 90,000 boxes, we advertise it as 30,000 barrels. Otherwise dealers would think the market was being flooded and would expect to get them at a much cheaper price than they are really worth.

"Your Newtowns bring the highest price of any that go to England and the apples of the Northwest arrive in better condition than any that are shipped there. In five years' time the product from this part of the country will be enormous, but there will always be a good market for it."

WE have received a number of subscriptions from persons who have not announced whether they wish to participate in the contest for the prizes we are offering to subscription workers. We wish to call the attention of those who contemplate doing so to the fact that we would like to have them mention their intention in the matter.

J. S. CRUTCHFIELD President | R. B. WOOLFOLK Treasurer | N. N. FRITZ Secretary | N. G. GIBSON Vice-President

It is now time that you are considering the matter of marketing your output for this season, and in view of this fact we desire to call your attention to the peculiarly strong position we are in as marketers.

It is unnecessary to remind you that Chicago is the largest market in the United States; very large as a consuming center, and very much the largest as a distributing center to other markets. Very nearly all the fruit and produce coming from the great western fruit growing sections destined to the heavy consuming markets of the East are distributed through Chicago, thus giving you the advantage at all times of the strongest market in the United States, caused by the fact that when these shipments are handled by us we sell locally, if best prices can be realized here, otherwise send to any market in the United States or Europe, if it will command better prices.

We are able to do this because of the peculiar location of the city of Chicago, and the fact that it is the great railroad center of the United States. These being facts, we would call your attention to the ability we have for selling. We sell every large house in Chicago, and so do not depend upon any one store to handle the products marketed by us. We have our strong connection at Pittsburg, through Crutchfield & Woolfolk at that place. In addition to this we also have strong corresponding houses in all the cities east of the Missouri River.

We have already contracted with a number of associations and large shippers to market their crops, and would offer you our services in this line. We shall be glad to hear from you as to what you expect to have to market, and on receipt of this advice we will give you any information we may have at this end of the line. If intrusted with the marketing of your crop we promise you a **square deal, skillful salesmanship** and **prompt returns.**

As to our reliability and financial standing, we beg to refer you to the National Bank of the Republic, Chicago; the National Bank of Western Pennsylvania, Pittsburg; R. G. Dun & Co.; the Chicago Packer, and "Better Fruit."

CRUTCHFIELD, WOOLFOLK & GIBSON, Inc.

Corner Clark and South Water Street CHICAGO, ILLINOIS

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EVERGREENS, ROSES & SHRUBBERY

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FOR SALE

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JOHN H. ROBINSON
Grants Pass, Oregon.

Underwood *and* Little White Salmon

Choice Fruit Land for Sale

I have a number of choice places for sale, improved and unimproved. Some with good heavy timber, ranging in price from $18.00 to $100.00 per acre. Some vacant land and relinquishments

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Wheat Lands and City Property
Insurance and Loans

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Seventeen and one-half acres two miles southwest of Hood River, sixteen acres Newtowns and Spitzenbergs, one and one-half acres English Walnuts. Fifteen inches of water in the Farmers' Irrigation Company. Price $450 per acre. A mortgage of $4,500, at seven per cent. can be assumed, balance cash

J. M. SCHMELTZER
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City Property

Timber in large and small tracts.
Collections made for non-residents on favorable terms.

J. V. PIPE
Albany, Oregon

REGULATIONS TO GIVE PROMPTER SHIPMENTS

The Railroad Commission of Oregon has issued a circular to railroad agents instructing them to keep a record of applications for cars by shippers, which it thinks will insure them better service. Its provisions are as follows:

Shippers are advised to make their applications for cars in writing, and to specify in their orders the items lettered "a" to "f" inclusive in paragraph 1 of the regulations. This will enable a complete record to be kept, which will show at all times the actual condition as to cars ordered and supplied, applications unfilled, and will disclose the presence or absence of discrimination in filling shippers' requisitions. The records are to be public; any shipper will be entitled to inspect the record at his station or the dispatcher's office at any time during business hours. If the record is not kept at any station, or if access is denied to bona fide shippers, this Commission will undertake to see the practice is corrected if the facts are reported to it at Salem.

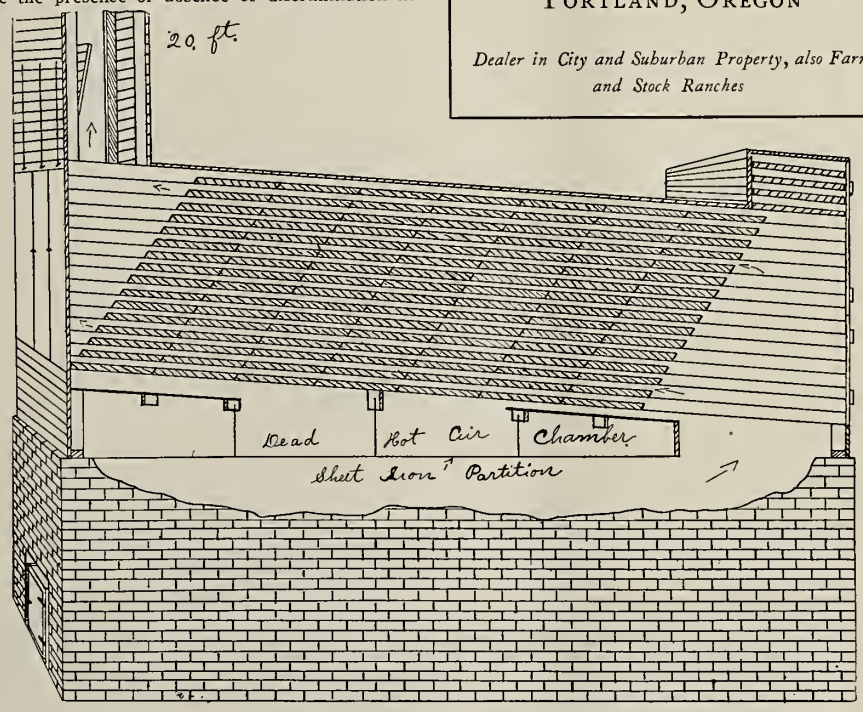
RULES GOVERNING RECORD OF APPLICATIONS FOR CARS, ETC.

1. At each station on every railroad in this state where an agent is maintained, and where freight is received and delivered, there shall be kept and preserved a register or record of all applications for cars by shippers, and said register or record shall give substantially the following information, to-wit:

(a) Name and address of the applicant for cars.
(b) Number of cars applied for.
(c) When cars will be required.
(d) Kind and size.
(e) Kind of freight to be shipped.
(f) Destination of freight.
(g) Date cars are furnished and set for loading.
(h) Number furnished.
(i) Kind and size.
(j) Initials and numbers of cars furnished.

All applications for cars made at any such station shall be immediately and correctly recorded in such register or record in chronological order of application. Such record shall be kept in a suitably bound book, and be subject to the inspection of any bona fide shipper during business hours.

2. A record of car distribution shall be kept at the office of each chief dispatcher of all the railroads doing business in this state, subject to the inspection of any bona fide shipper during business hours. This record shall be made up from daily reports of all station agents on such division, and shall contain the information set forth in the preceding rules. It shall be so kept as to show the shipments of principal commodities. The names of all persons ordering cars on such division shall appear in alphabetical order and must show cars loaded for foreign roads, whether on company cars or foreign cars.



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HOOD RIVER, OREGON

A Monthly Illustrated Magazine Published in the Interest of Up-to-date Progressive Fruit-Growing & Marketing

All Communications should be Addressed and Remittances made Payable to the Better Fruit Publishing Company

E. H. SHEPARD, Editor and Publisher
W. H. WALTON, Associate Editor
CHRIS GREISEN . . . . Solicitor

SUBSCRIPTION PRICE $1 PER YEAR
IN ADVANCE IN THE UNITED STATES & CANADA
Foreign Subscriptions, *Including Postage, $1.50*
ADVERTISING RATES FURNISHED ON APPLICATION

Entered as second-class matter December 27, 1906, at the post office at Hood River, Oregon, under the act of Congress of March 3, 1879

THE story of "Paonia; Its Humble Start and Development," which appears on another page, is far from devoid of interest. In fact it is the opposite, and is a living truth of the adage, "Great oaks from little acorns grow." From a little bundle of perhaps not more than a half dozen fruit trees placed in a trunk and brought across the plains the nucleus of a great orchard development was formed—by accident. To the love of one of its hardy pioneers for the old orchard that he probably left, it is indebted for an industry that has made it prosperous. No doubt some sacrifices were made in leaving something almost as equally well treasured behind as the fruit trees as accommodations for baggage in the prairie schooner we are told was limited. That the trees survived and pointed the way to the dispensation of Nature to that district demonstrates that this pioneer fruitman "builded better than he knew."

BELIEVING our readers will possibly be more interested in something of a lighter nature during the midsummer month, we have departed from the purely technical in our August issue and given them several articles of a descriptive nature, illustrated to show results rather than methods of growing Better Fruit.

WE are in receipt of a copy of "Fancy Fruit," a new fruit paper edited by Samuel Lowther and published in the metropolis of Yakima Valley's fruit industry, North Yakima. The publication is neatly gotten up, well printed and contains many items of interest to both fruitmen and others interested in fruit growing.

AMONG the many fertile fruit-growing districts of the great Northwest the Upper Columbia Valley is not one of the least. Its productivity is little short of wonderful, and its development has been phenomenal. In seven years it has been reclaimed from a sage brush plain into a garden of fruit trees, strawberry beds and vineyards. The magic touch that has done all this is water. Water in its ever ceaseless flow from the snow-capped mountains of the great Pacific Northwest. A delight to the eye and a never failing source of prosperity to its fruitgrowers.

For the cuts used in the article on Paonia we wish to acknowledge ourselves indebted to the Paonia newspaper.

A GENERAL estimate of the Northwest fruit crops this year would seem to place the output in the neighborhood of 60 per cent of normal. In very few districts will there be anything approaching a full crop. In this particular Southern Oregon is said to stand alone this year, with the next highest average at Yakima. Other districts run from 60 to as low as 25 per cent, and in some it is practically nothing. All districts that have marketable fruit will undoubtedly receive high prices for it and those which

WESTERN UNION TELEGRAPH CO.

Chicago, Illinois, July 22.
"Better Fruit" Publishing Co.,
Hood River, Oregon.
July copy received. We consider it the best fruit number yet issued in the United States.
F. NEWHALL & SONS.

CUPS AWARDED PRIZEWINNERS AT THE SALEM, OREGON, CHERRY FAIR

The cups were given to stimulate interest in the cherry fair, which is expected to become an annual event hereafter in the height of the season. Believing packing to be one of the prime requisites in marketing cherries, "Better Fruit" gave one of the cups for the best pack

STRANAHAN & CLARK

DEALERS IN

COMMERCIAL FERTILIZERS
LAND PLASTER, LIME
PLASTER PARIS, CEMENT
BUILDING PLASTERS

HOOD RIVER, OREGON

are fortunate enough to have a good or full yield will undoubtedly reap a harvest. A redeeming feature of the short crop is, however, that all reports are to the effect that the fruit was never of a higher quality.

WE acknowledge with much pleasure the receipt from that wizard of horticulture, Luther Burbank, three samples of his new fruit creations from his experiment farms at Santa Rosa, California. The specimens sent us were the Wickson, Gaviota and Formosa plum, all of which arrived in prime condition although kept in the express office for twenty-four hours in a high temperature, as they arrived during one of the hottest days of the summer. The specimens were beautiful in appearance, of delicate flavor and aroma and large in size. We can liken them to nothing that we have ever tasted in the plum line, being far superior in delicate flavor and texture. Later we hope to give our readers an interesting article on these new productions of Mr. Burbank, if possible. from his own pen.

By courtesy Wenatchee Republic

A BRANCH OF PLUMS GROWN IN THE WENATCHEE VALLEY

A remarkable fruit growth both as to size and productivity. Some idea of the former may be gained by comparing it with the coin in the picture

THE meeting of the Oregon State Irrigation Association, which was secured to Grants Pass this year, will take place almost coincident with that of the National Irrigation Congress, convening September 11. It will invite a number of the speakers from the latter body to address it and it is expected with considerable certainty that a number of them will be present. An industrial fair will be held in connection with the meeting, which will include the products of both Jackson and Josephine Counties. No section of Oregon has done more to revive its fruit industry in the past year than Grants Pass, and the hearty co-operation of all sections of the state in helping to make the irrigation meeting a success should be voluntarily forthcoming.

WITH a list of twenty-five new orchardists who planted tracts of from five to twenty acres this year, Ellensburg, Washington, bids fair to soon rival its nearby neighbors in the matter of fruit growing. Situated in one of the most favorable spots in the Yakima Valley, its production is only a matter of acreage. It is as natural for fruit to grow there under proper cultivation as it is for the proverbial water to course down a duck's back. Its geographical position marks the point which will at no distant day be the gateway to a continuous fruit growing district of vast magnitude.

THE Oregon Spray and Gas Company recently installed a lime and sulphur plant at Yakima, it is said, much to the satisfaction of fruit growers in that district. The erection of plants for spraying material in the centers of districts where it is most needed is meeting with a hearty response from fruit growers, who too frequently experience considerable difficulty in obtaining supplies.

CLUB FOR HAPPINESS, HEALTH AND WEALTH

By G. H. A.

Say! Join the Apple Club right away,
You agree to eat one apple every day,
Saves doctor bills and gives good health;
No fees or dues to affect your wealth.

Eat them raw or cooked; white or red,
But don't fail to eat *one* when you go to bed.
We have all colors, red, green, yellow and white,
Contain phosphorus for the brain, which we need alright.

Jonathans, Wagners and Rome Beautee,
Greenings, York Imperial and Pewaukee.
Lauver, Gano, Grimes Golden and Aiken,
Black Twig, Winesap and Missouri Pippin.

Ben Davis, Pearmain, all these in boxes are packed,
From dollar seventy-five to two sixty is cheap for a fact;
Will sell you one or more boxes at that rate,
And ship by express, or, if you prefer, by freight.

Stewed, fried, in fruit salad or just let them bake;
Pies! how good! and just think of German apple cake!
Talking of puddings, don't it make your mouth water?
So join the Club yourself, also your wife, son and daughter.

P. S.—Almost forgot about jelly from the cores and peeling,
It is so good and cheap you'll think you are stealing.

PRIZES FOR EXHIBITS AT OREGON STATE FAIR

IN order to improve and encourage a horticultural exhibit at the State Fair, a committee of three was appointed by the State Horticultural Society, at its annual meeting, to meet with the State Board of Agriculture and request an appropriation and increase of premiums in this department; $250 was set aside for this purpose, and a classification was prepared by the following appointees: Mr. L. T. Reynolds, Salem, Oregon; Mr. J. R. Shepherd, Zena, Oregon, and Mr. Ed. Holloway, Brownsville, Oregon.

Rules and Regulations

1. All exhibits of fruit must be the product of the State of Oregon, and must have been grown by the exhibitor upon land occupied by him as owner or renter.
2. For exhibition purposes a plate will consist of five specimens of apples, pears, peaches or quinces; ten specimens of plums, prunes, crabapples or other small products; or three bunches of grapes.
3. Individual plate exhibits will be staged by themselves and in no case can they be considered part of a collection or general display.
4. Exhibitors must attach the names to every variety staged by them, and the judges may refuse to award premiums on stock not properly named.
5. No blemished fruit will be considered by the judges and no award will be made on stock that does not individually merit it. On account of its quality an exhibit may be given the second or third prize or no prize at all, even if there is no competition. Scab, rot, scale or worm holes will be sufficient cause to bar an exhibit.
6. No premium shall be awarded when the exhibit is unworthy, though there be no competition.

The secretary will furnish plates for staging.

Class—Plate Exhibits, Apples

	First Premium	Second Premium
Single varieties, three plates, five specimens of each of the following varieties	$ 1.00	$ 0.50
Baldwin, Dutchess Mignon, Gravenstein, Gano, Grimes' Golden, Beitigheimer, Jonathan, King, Lady, Mammoth Blacktwig, Missouri Pippin, Northern Spy, Red Cheek Pippin, Red Astrachan, Rome Beauty, Roxbury Russet, Spitzenberg, Swaar, Waxen, Winesap, Winter Banana, Wolf River, Yellow Belleflower, Yellow Transparent, Yellow Newtown Pippin.		
New Seedlings, if approved by the committee	1.00	.50

Class—Plate Exhibits, Pears

Single varieties, three plates, five specimens of each of the following varieties	1.00	.50
Bartlett, Beurre de Anjou, Bose Beurre, Beurre Clairgeau, Comice, Duchess, Fall Butter, P. Barry Sheldon, Winter Nelis.		
New Seedlings, if approved by the committee	1.00	.50

Class—Plate Exhibits, Peaches

Single varieties, three plates, five specimens of each of the following varieties	1.00	.50
Early Crawford, Elberta, Early Charlotte, Late Crawford, Muir, Salway.		
New Seedlings, if approved by the committee	1.00	.50

IT'S VERY PLAIN 2 2/4

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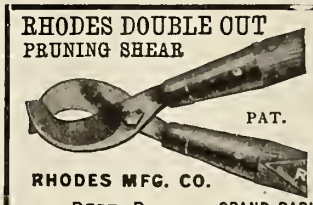

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The best in the Willamette Valley. For information and booklet about Fruit, Dairy, Hops and Stock Farms, write to
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Plump, solid, clean, heavy. You can raise this kind of wheat every year if you fertilize systematically with

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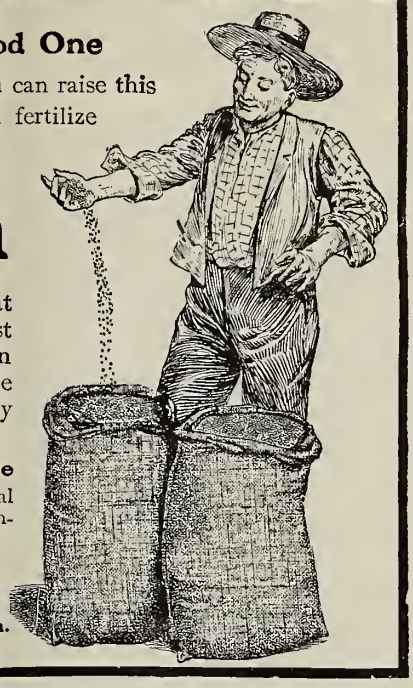

MEYER, WILSON & CO., Sole agents for the Pacific Coast, San Francisco, Cal.

THE ROGUE RIVER VALLEY

THE CREAM OF CREATION

Has again demonstrated by the great crop of fruit now set for 1907 that this is the surest in its crop production of any part of America. This fact makes this district look good to the trained horticulturists of all other sections of the Northwest. When it is conceded that orchards approaching the bearing period here are held at less than one-half the figures demanded for similar lands in other districts yielding less net profits than here, it should impress the readers of "Better Fruit" that now is the time to invest in this favored valley, with its regular crops and famous good climate. The homeseeker will get the benefit of more than twenty years' experience in the fruit business by dealing with the

ROGUE RIVER LAND COMPANY

EXHIBIT BUILDING MEDFORD, OREGON

FREE INFORMATION

Furnished those desiring same, concerning FRUIT, WHEAT AND IRRIGATED LANDS adjacent to Prosser in the lower Yakima valley

Write or call on

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PAINT PAINT PAINT

Paint is the cheapest insurance a man can get for the protection of his property. Did you ever notice how quickly a building which has not been painted will become dilapidated, moss-covered and weatherbeaten?

In the earlier issues of this paper we advised the use of our celebrated Phoenix Lime and Sulphur Liquid Spray for the protection of orchards against fruit pests. We now urge the use of our DUNNE'S PURE HOUSE AND BARN PAINTS FOR THE PROTECTION OF YOUR BUILDINGS. We have the most modern and best equipped paint manufacturing plant in the Northwest, and we manufacture all our paint fresh for each order.

Prices and color cards sent on application.

DAVID M. DUNNE COMPANY

Paint and Spray Manufacturers. PORTLAND, OREGON

	First Premium	Second Premium
Class—Plate Exhibits, Plums		
Single varieties, three plates, ten specimens of each of the following varieties	$ 1.00	$0.50
Bradshaw, Yellow Egg, Pond's Seedling (Hungarian), Washington.		
New Seedlings, if approved by the committee	1.00	.50
Class—Plate Exhibits, Prunes		
Single varieties, three plates, ten specimens of each of the following varieties	1.00	.50
Italian, Sugar, Petite or French, Silver.		
New Seedlings, if approved by the committee	1.00	.50
Class—Plate Exhibits, Quince		
Single varieties, three plates, five specimens of each of the following varieties	1.00	.50
New Seedlings, if approved by the committee	1.00	.50
Class—Plate Exhibits, Grapes		
Single varieties, three plates, five specimens of each of the following varieties	1.00	.50
Black Hamburg, Diamond, Moore's, Thompson's Seedling, Concord, Flame Tokay, Niagara, Worden, Delaware, Isabella, Peru Rose.		
New Seedlings, if approved by the committee	1.00	.50
Class—General Display Green Fruit		
Best general display green fruit exhibited by grower	10.00	5.00
Class—Evaporated Apples		
Best display of not less than five boxes, each weighing not less than ten pounds	6.00	3.00
Class—Evaporated Pears		
Best display of not less than five boxes, each weighing not less than ten pounds	6.00	3.00
Class—Evaporated Prunes		
Best display of not less than five boxes, each weighing not less than ten pounds	6.00	3.00
Class—Oregon-Grown Nuts		
Best display	5.00	2.50

"Better Fruit" Publishing Co. Special Premium

The following special premium has been contributed by "Better Fruit," Hood River, Oregon, to the exhibitors in the horticultural department of the Oregon State Fair for "Best Packed Display of Fruit," a handsome silver cup $25.00

SUMMER or winter pruning is a subject that has engaged the attention of orchardists for many years. Like irrigation, or non-irrigation, there are staunch adherents of both processes for the successful growing of fruit. This is no doubt due to the fact that conditions peculiar to the orchard which has been either summer or winter pruned have largely determined its efficacy rather than any absolute knowledge possessed by the orchardist. The fact that both systems are advocated and practiced certainly deduces the conclusion that there must be a middle course better than either if judicially applied by the observant and intelligent orchardist.

LIST OF FRUIT GROWERS UNIONS AND HORTICULTURAL SOCIETIES

WE PUBLISH free in this column the name of any Fruit Growers organization or Horticultural Society, with the name of their secretary or manager. Secretaries and managers are requested to furnish particulars if omitted, for future publication.

Oregon

Oregon State Horticultural Society—E. R. Lake, Secretary, Corvallis.
Forest Grove Horticultural Society, Forest Grove—Col. Harry Haynes, Secretary.
Clackamas Horticultural Society — J. C. Zinzer, Secretary, Oregon City.
Mosier Horticultural Society—A. P. Bateham, Secretary, Mosier.
Medford Horticultural Society—L. B. Brown, Secretary, Medford.
Hood River Horticultural Society—J. L. Carter, Secretary, Hood River.
Marion County Horticultural Society—E. C. Armstrong, Secretary, Jefferson.
Linn County Horticultural Society—F. M. Mitchell, Secretary, Albany.
Polk County Horticultural Society — R. L. Chapman, Secretary, Dallas.
Yamhill County Horticultural Association—W. H. Kingery, Secretary, McMinnville.
Medford Fruit Growers Union—Medford.
Ashland Fruit and Produce Association.
Grants Pass Fruit Growers Union—Chas. Meserve, Secretary, Grants Pass.
Hood River Fruit Growers Union—E. H. Shepard, Secretary and Manager, Hood River.
Hood River Apple Growers Union—E. H. Shepard, Manager, Hood River.
Grande Ronde Valley Fruit Growers Union, La Grande, Oregon—E. Z. Carbine, Secretary.
Milton Fruit Growers Union, Milton—W. C. Hopson, Secretary.

Utah

Syracuse Horticultural Society, Syracuse—W. H. Miller, President; Wm. Wilcox, Secretary.

Washington

The Thurston County Horticultural Society—C. D. Sullivan, Secretary.
Waterville Horticultural Society—Ben Spear, Secretary, Waterville.
Yakima County Horticultural Society—E. E. Samson, Manager, North Yakima.
Spokane County Horticultural Society—L. G. Monroe, Secretary, Spokane.
Snohomish County Horticultural Association — C. L. Clemens, Secretary, Snohomish.
Sultan Horticultural Society, Sultan—Thos. Musgrove, President.
Kennewick Fruit Growers Association — W. S. Jenkins, Manager, Kennewick.
Wenatchee Fruit Growers Union—J. B. Olinger, Manager, Wenatchee.
Puyallup and Sumner Fruit Growers Association—W. H. Paulhamus, Manager, Puyallup.
Vashon Island Fruit Growers Association—C. J. Prior, Secretary, Vashon.
Fruit Growers Association—Shelton.
Spokane Fruit and Vegetable Growers Association—Spokane.
White Salmon Fruit Growers Union—Carl Ross, Manager.

Colorado Fruit Associations

San Juan Fruit and Produce Growers Association, Durango, Colorado, and Farmington, New Mexico—J. M. Kingsley, Manager.
Fremont County Fruit Growers Association, Canon City—Geo. Sailey, Manager.
Rocky Ford Melon Growers Association — A. C. Sloan, Secretary, Rocky Ford.
Plateau and Debeque Fruit, Honey and Produce Association, Debeque—H. A. Stroud, Manager.
Montrose Warehouse (shipper of fruit)—Robert Halley, Manager, Montrose.
Surface Creek Fruit Growers Association, Austin.
Longmont Produce Exchange—R. D. Jenkins, Manager, Longmont.
Manzanola Fruit Association—Ed McClain, Secretary, Manzanola.
Delta County Fruit Growers Association — Geo. Conklin, Manager, Delta.
Boulder County Fruit Growers Association—E. T. Carr, Manager, Boulder.
Fort Collins Beet Growers Association—Chas. R. Evans, Manager, Fort Collins.
La Junta Melon and Produce Company—J. O. Wood, Secretary, La Junta.
Rifle Fruit and Produce Association, Rifle.
North Fork Fruit Growers Association, Paonia—W. H. Garvin, Manager.
Fruita Fruit and Produce Association—E. J. Dalton, Manager, Fruita.
Grand Junction Fruit Growers Association, Clifton. Palisade, Grand Junction—J. F. Moore, Manager.
Palisade Fruit Growers Association—Geo. Scroggins, Manager, Palisade.
Independent Fruit Growers Association — Grand Junction—Ferbrache, Manager.
Peach Growers Association, Palisade.

Idaho

Southern Idaho Fruit Shippers Association—C. J. Sincel, Secretary, Boise.
New Plymouth Fruit Growers Association—A. R. Ingalls, Representative, New Plymouth.
Payette Valley Apple Growers Union—J. A. Bower, President, Payette.
Thurston County Fruit Growers Union—Fred W. Lewis, Secretary, Tumwater.
Bay Island Fruit Growers Association — H. McGavick, Manager, Tacoma.
Whatcom County Fruit Growers Association — J. H. Kirkpatrick, President, Curtis.
Yakima Valley Fruit and Produce Growers Association, Granger.
Buckley Fruit Growers Association—J. B. Frost, President, Buckley.
Lewis River Fruit Growers Union, Woodland.
Okanogan Fruit Growers Association, Okanogan—W. E. Kirkpatrick, President; Jack Evans, Secretary.
Mason County Fruit and Produce Union, Shelton—A. A. Linton, President; S. Schumaker, Secretary.

Canada

British Columbia Fruit Growers Association—W. J. Brandrith, Secretary, Ladner, British Columbia.
Georgian Bay Fruit Growers Association—J. G. Mitchell, Secretary, Thornbury, Ontario.
Ontario Fruit Growers Association—P. W. Hodgetts, Secretary, Toronto, Ontario.
Quebec Fruit Growers Association — Dr. W. H. Wood, St. Johns, Quebec.
Nova Scotia Fruit Growers Association—S. C. Parker, Secretary, Berwick, Nova Scotia.
Prince Edward Island Fruit Growers Association—A. E. Dewar, Secretary, Charlottetown, Prince Edward Island.

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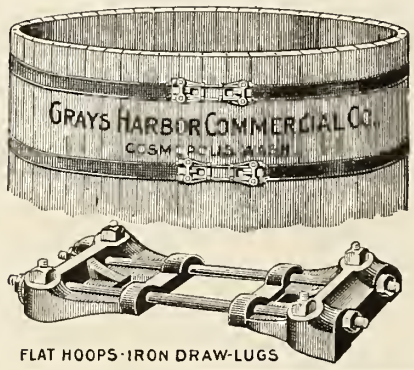

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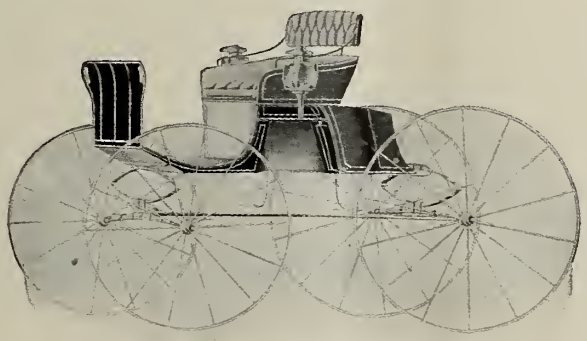
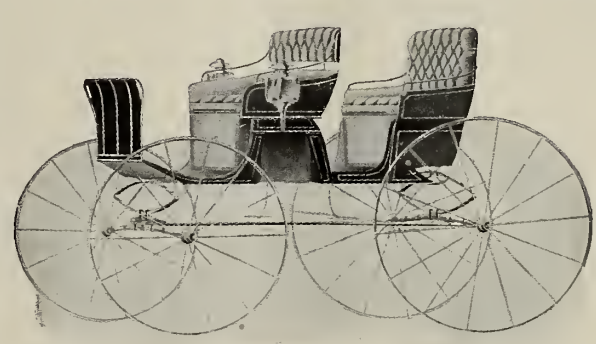
With No Strings Attached to Them

Did You Ever Hear of Anyone Getting Something for Nothing

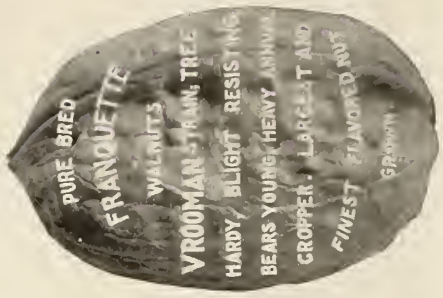
And getting paid for getting it? We don't think you ever did, but that is what "Better Fruit" is going to give you an opportunity to do. To the person who will get us the most yearly subscribers in the next four months we will give this fine new *COMBINATION STANHOPE Carriage and Surrey* direct from the warerooms of Mitchell, Lewis & Staver, Portland, Seattle, Spokane and Boise, pictures of which appear on this page, and in addition a set of single harness, robe and whip, the entire outfit worth $200. This is not all; to the contestant getting us the most subscriptions during the month of June we will give a *$10.00 STANDARD UNABRIDGED WEBSTER'S DICTIONARY* something that should be in every household. We haven't forgotten our juvenile friends in inaugurating the contest, and to the one who gets us the most subscribers during the month of July we will give a brand new *$65 BICYCLE* of the best make, adapted to either sex. Further and better yet, to everyone competing in this contest, who is not fortunate enough to win the carriage we will give *25 cents in cash* for each subscription sent in. Names of contestants and number of names sent in by them will be published at end of contest and checks issued in payment. So get busy and don't think that because you may seem to be able to get only a few names that you have no chance of winning. "Faint heart ne'er won fair lady," or anything else, and remember that whether you get one or one thousand you will win if you get the most. Our offer has no strings on it and is unconditional. Participation in the contest for the dictionary and bicycle does not bar you from winning the carriage or the cash prizes, but the winner of the carriage will not participate in the cash prizes, so that everyone who enters the contest and makes a showing will get something. Our reasons for adopting this plan in the contest are because we have been told that we have the best fruit paper in the world and are willing to give those who will help us in making a still better paper, a share of our profits. The subscription price of "Better Fruit" is $1.00 per year and must accompany each name sent in, and address of subscriber. On request sample copies will be mailed those who wish to enter the contest, which closes September 1. Subscriptions must not be mailed later than August 31. Request for further information and all subscriptions should be addressed to

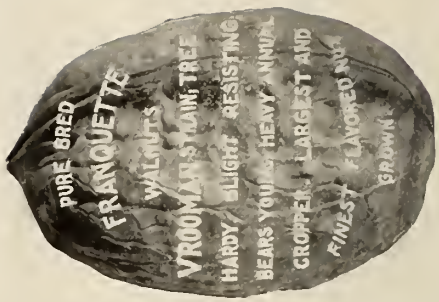




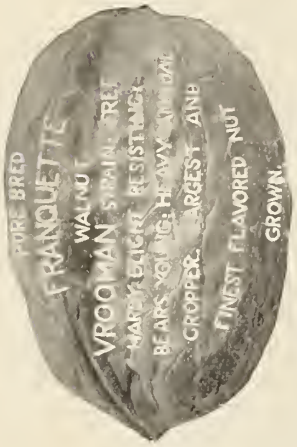
BETTER FRUIT PUBLISHING CO., Hood River, Oregon

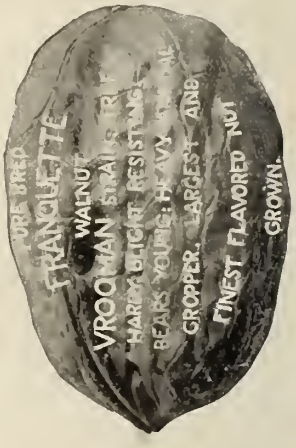
Prizes will be delivered free of charge to any railroad station in the United States or Canada designated by the winner.
References: Butler Banking Company, First National Bank and Hood River Banking & Trust Co., Hood River, Oregon.





Record of Mrs. Vrooman's Franquette Walnut Grove Since It Began Bearing





OREGON NURSERY COMPANY,
Salem, Oregon.

Gentlemen: You ask me to give you a report of the increase of my Franquette Walnut trees since they began to bear. Happily I have the figures at hand:

When 3 years old, 1901	82 pounds
When 4 years old, 1902	520 pounds
When 5 years old, 1903	3,700 pounds
When 6 years old, 1904	6,000 pounds
When 7 years old, 1905	12,325 pounds
When 8 years old, 1906	24,314 pounds

The output has practically doubled every year since the trees came into bearing.

MRS. E. M. VROOMAN.

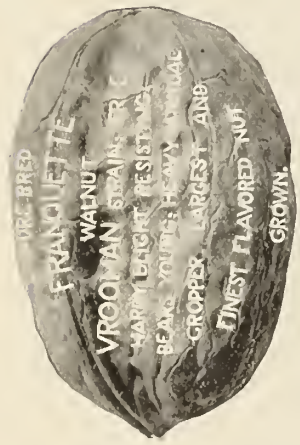
Walnutmere, Santa Rosa, California, November 22, 1906.

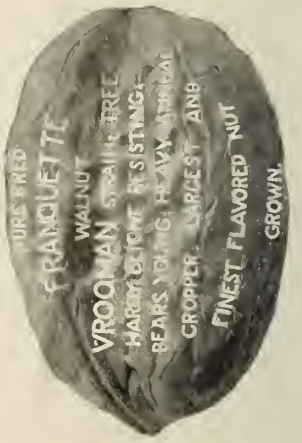
This 55-acre grove is planted with First Generation Franquette trees, grafted in a direct line from the original Franquette tree in France, and is the only large, grafted bearing walnut grove in the world from which seed stock and scions for grafting purposes can be secured.

We have contracted for the entire output of both nuts and scions for three years, which gives us absolute control of the product of this, the world's greatest grafted walnut grove.

Last year, 1906, eight years from planting, we paid Mrs. Vrooman $6,140.55 for the crop of nuts; over $100.00 per acre.

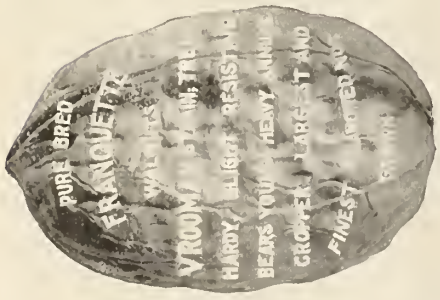
Write for FREE BOOKLET giving full information of the LARGEST stock of FIRST GENERATION GRAFTED and SECOND GENERATION Walnut trees in the world.

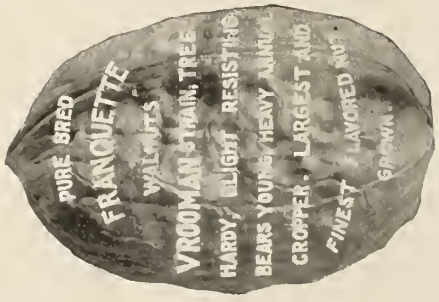


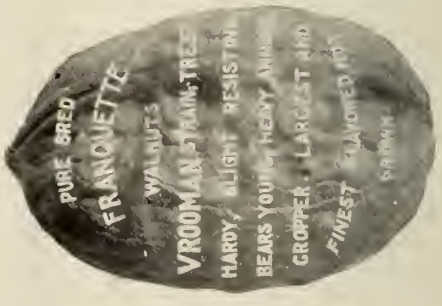


Oregon Nursery Company

Sole Propagators Salem, Oregon







ROGUE RIVER VALLEY, OREGON

The Best Pear and Apple Country in the United States

SOIL—Rich, deep and mellow possessing all the characteristics necessary for the highest state of perfection in the production of the finest varieties of Pears and Newtown and Spitzenberg Apples. **CLIMATE IDEAL, NO WIND**—No excessive heat or cold—almost no frost; no excessive rain—average rainfall 21 inches. Winters pleasant, sunny and mild. **ORCHARD LAND**—May be purchased from Fifty to Two Hundred Dollars per acre. Young orchards from $150 upwards and producing orchards from $250 to $600 per acre. **IRRIGATION**—Our valley thoroughly sub-irrigated yet perfect facilities for irrigation when desired.

YOUNG ROGUE RIVER PEAR ORCHARD

ROGUE RIVER PEARS—The fresh fruit car record of the world is held by J. W. Perkins of Medford, who obtained at auction in New York City in the summer of 1905 $3429.00 for a carload of his Comice pears, and he alone could break that record in 1906, when his best carload sold for $3450.00 in the same market.

SOME RECENT YIELDS—C. R. Heimroth sold from one and three-fourths acres of Spitzenbergs, 587 boxes for $1174; from three acres Newtown Pippins, 780 boxes for $1365; total, $2539. This in addition to sales of culls. All in 1906. M. L. Pellett sold from eight acres of Bartlett pears in 1906, 3000 boxes for $4500, net on cars at shipping station, aside from sales of culls. W. H. Norcross sold from two acres of Newtown Pippins, not yet in full bearing, 1906, 657 boxes for $1346.85. The same year, from four acres of Spitzenbergs, $2113.10. This orchard has borne eight good crops in nine years, and the carload of Newtowns sent to London from this orchard in 1906 was pronounced by the dealers to be the best car of the year in that market. Twenty-two acres of pears on the Burrell Investment Company's orchard in 1906 produced 6441 boxes of fruit, which sold for $8884, f. o. b. cars. F. H. Hopkins received in 1906, from fifteen and one-half acres of Winter Nelis pears, $9000, f. o. b. Medford. The Bradshaw & Stevens orchard contains three and one-half acres, 250 trees, Yellow Newtown apples, which annually bring returns of $2500 to $3000.

For further information and particulars apply to

Secretary of Medford Commercial Club, Medford, Oregon

IMPORTANT ANNOUNCEMENT

Niagara Lime and Sulphur Solution

To be Manufactured at Hood River

A local company has been organized for the purpose of erecting and operating a plant for the manufacture of lime and sulphur solution at Hood River. Arrangements have been made whereby the well known Niagara brand will be produced, and will be offered to the fruit growers of Hood River, White Salmon, Mosier, The Dalles and all points on the river and O. R. & N. Railroad, *at prices much lower than any like spray has been offered heretofore.*

The purpose of this company, insofar as possible, is to deal direct with the fruit grower and thus to save to him that which would otherwise go to the railroad and the middleman. The Niagara Lime and Sulphur Solution has the record of being the strongest and best spray in the market. It shows the highest analysis, and has proved in actual work at Hood River, in Southern Oregon, throughout the Willamette Valley, Wenatchee, Washington, and in the Pajaro and Santa Clara valleys in California, to be a superior spray and second to none. For further information write or call on

Hood River Spray Mfg. Co.

OFFICE WITH STRANAHAN & CLARK, HOOD RIVER, OREGON

The "Old Reliable"

Albany Nurseries

Incorporated

A full line of General Nursery Stock, including many new and choice varieties

"The Best is the Cheapest"

If you want one or one thousand trees ours is the place to send for them.

Live salesmen wanted everywhere. Catalogue free on application.

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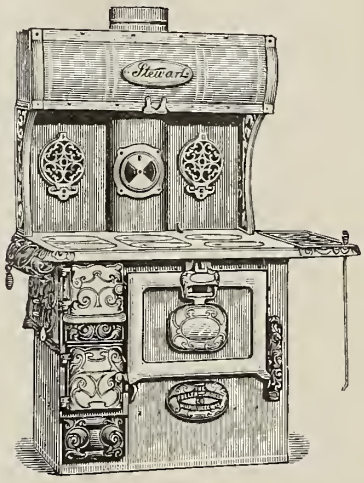
We are agents for the Famous 'Stewart" Ranges, which are made in different grades, but one quality, and are guaranteed absolutely against defect in material, workmanship and operation

When in need of house furnishings, call on us. We carry everything to furnish your home complete at the very lowest prices; also have the most complete line of office furniture in the Northwest



Stewart Magnet, 14-inch Oven	$30.00
Stewart Magnet, 16-inch Oven	33.00
Stewart Magnet, 18-inch Oven	38.00
Stewart Magnet, 20-inch Oven	41.00

$10.00 extra for Reservoir.

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Gentlemen: Enclosed find one dollar to prepay express upon your New Big Blue Credit Book. If we do not return it in thirty days we agree to pay thirty-five dollars for its use, and for your weekly credit sheets, one year. We further agree to keep all information therein strictly confidential, and not allow their use or unfair examination by others. We also agree to return the credit book to you by registered mail at expiration of this contract, one year from date. It is further understood that we may increase the service to a "B" or "C" any time by asking for "Special Reports" or "Adjustments" furnished thereunder, and by paying the difference in price.

Signed_____

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It contains the names of all the Produce, Fruit and Hay Dealers in the United States. Also all of the Wholesale Grocers and the most important Retail Grocers, etc. *All firms of interest to Shippers.* It shows the specialties of each firm, how large a business they do annually, and their financial responsibility. *Their reputation for fair dealing, in other words,*

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This information is secured largely from *actual experiences of its members;* cases that have been handled by our Adjusting Department. These "experiences" in the aggregate, have cost shippers hundreds of thousands of dollars. You can get them for only a trifling sum per year. *Select your customers wisely, keep posted on their business history as they make it (in our weekly credit sheets) and you can do a more profitable business than ever before.* Join this national protective organization today.

PRODUCE REPORTER CO., 34 S. Clark St., Chicago

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ESTABLISHED 1868.

Buyers and handlers of the highest grade apples which bring top prices in Eastern Markets of the following varieties: Spitzenbergs, Yellow Newtowns, Red Cheeks, Arkansas Blacks, Winesaps, Hydes Kings, Rome Beauties, Northern Spies, Jonathans. We handle crops from any part of the United States on outright purchase, joint account basis or straight commission. All consignments to us will receive the same attention as if bought outright. We have our own cold storage plant which makes it possible for us to hold late keepers for the highest prices. We invite correspondence with growers and shippers which will be answered promptly. Our firm is known to the trade as dealers and handlers of the fanciest box apples from Hood River, Oregon, Yakima and Wenatchee, Washington, and Paonia and Grand Junction, Colorado.

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